BIOBASE GROUP

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BIOBASE CHINA

BIOBASE®

Lab & Medical Equipment

Version 2022

About Us

BIOBASE Group, as a professional manufacturer of laboratory and medical equipment, supplies one-stop solution.

During long-term friendly bilateral cooperation with customers, BIOBASE is always being trusted. The customers purchase BIOBASE products, in the meantime, more and more customers were willing to buy a variety of items from BIOBASE.

In order to meet customer needs and ensure the interests of customers, BIOBASE made field visits to many suppliers in China, to ensure product quality and get competitive price. Now, BIOBASE has developed many OEM partners and will keep searching for more suppliers upon customers' requests.

BIOBASE provides one-stop solution, which can not only reduce the resourcing cost, but also can ensure good quality and sufficient aftersales service.

In addition, any abroad strong manufacturer is welcomed to contact us, we can work together to open China market.

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Balance

BA-C Automatic Electronic Analytical Balance (Internal Calibration)

Features:

- ✻ Humanized design, novel design and five-side full-transparent windshield.
- ✻ A new-generation electromagnetic balance weight sensor guarantees the high precision.
- ✻ Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- ✻ The adoption of ultra-large digital integrated printed circuit board guarantees high product precision.
- ✻ The adoption of twin-cam mechanism realizes advantageous function of automatic internal calibration which makes product faster and more stable.
- ✻ Application programs such as “Warming”, “Calibration”, and “Screen Saver”.
- ✻ Ultra-large LCD display brings clearer and more comfortable visual sense to operator.

Functions:

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- ✻ Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- ✻ Built-in automatic calibration guarantees easier, faster, stable and accurate operation of balance.
- ✻ Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- ✻ Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110-220V/50-60Hz; Power Cord, no battery.

Technical Parameters:

Model	BA604C	BA1004C	BA1204C	BA1604C	BA2004C	BA2204C	BA1003C	BA2003C	BA3003C
Capacity	0~60g	0~100g	0-120g	0~160g	0~200g	0~220g	0~100g	0~200g	0~300g
Readability	0.1mg						1mg		
Scale Size	Φ90mm								
Stable Time	4s	6s			6-8s		1s		
Repeat Ability	0.2mg				0.3mg		1mg		
Liner	0.2mg	0.3mg					1mg		
N.W.	6.8kg								
External Size	350*215*340mm								
Package Size	480*375*515mm								
G.W.	8.5kg								
Work Space Height	240mm								
Calibration	Internal Cal								

Standard Accessory:

Balance body, scale, adaptor, dust guard, cleaning cloth, tweezers and brush.

BA-N Automatic Electronic Analytical Balance (Internal Calibration) (Economic Series)

Features:

- ✻ Humanized design,novel design and four-side transparent windshield.
- ✻ High precision magnet sensor keeps the weighing more fast and stable.
- ✻ Ultra-large backlight LCD display brings clearer and more comfortable visual sense to operate。

Functions:

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- ✻ Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion(g,oz,ct...), full-scale faring,zero-memory etc.
- ✻ Built-in RS232 output interface guarantees direct connection to external equipment such as computer and printer.
- ✻ Built-in automatic calibration guarantees easier, faster, stable and accurate

Power Supply: AC110/220V±10%, 50/60Hz; Power Cord, no battery.

Technical Parameters:

Model	BA1004N	BA1104N	BA1204N	BA2004N	BA2104N	BA2204N
Capacity	0~100g	0~110g	0~120g	0~200g	0~210g	0~220g
Readability	0.1mg					
Scale Size	Φ80mm					
Stable Time	≤3s					
Repeat ability	±0.0003g					
Liner	±0.0003g					
G.W.	10kg					
External Size	365*205*350mm					
Package Size	475*315*485mm					
Work Space Height	230mm					
Calibration	Internal Cal					

Standard Accessory

Balance body, adapter, weight, windshield.

BA-B Series Electronic Analytical Balance (External Calibration)

Features:

- ＊ Humanized design, novel design and five-side full-transparent windshield.
- ＊ A new-generation electromagnetic balance weighing sensor guarantees high precision.
- ＊ Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- ＊ Ultra-large LCD display brings clearer and more comfortable visual sense to operate.

Functions:

- ＊ Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- ＊ Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- ＊ Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110-220V/50-60Hz; Power Cord, no battery.

Technical Parameters:

Model	BA504B	BA604B	BA1004B	BA1104B	BA1204B	BA1604B	BA2004B	BA2104B	BA2204B	BA2104S
Capacity	0~50g	0~60g	0~100g	0~110g	0~120g	0~160g	0~200g	0~210g	0~220g	0~60/60~210g
Readability	0.1mg									0.1mg/1mg
Scale Size	Φ80mm									
Stable Time	4s		6s				6-8s			4s
Repeat Ability	0.2mg						0.3mg			0.2mg/1mg
Liner	0.2mg		0.3mg							0.2mg/1mg
N.W.	6.8kg									
External Size	350*215*340mm									
Package Size	480*375*515mm									
G.W.	8.5kg									
Work Space Height	240mm									
Calibration	External Cal									

Standard Accessory:

Balance body, scale, adaptor, Standard weights, dust guard, cleaning cloth, tweezers and brush.

BP-B/P Series Electronic Precision Balance

Features:

- ＊ Humanized design, novel design and five-side full-transparent windshield.
- ＊ A new-generation electromagnetic balance weighing sensor guarantee high precision.
- ＊ Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- ＊ Ultra-large LCD display brings clearer and more comfortable visual sense to operate.
- ＊ Built-in lower weighing hook guarantees convenient use.

Functions:

- ＊ Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- ＊ Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- ＊ Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110-220V/50-60Hz; Power Cord, no battery.

Technical Parameters:

Model	BP1003B	BP1203B	BP2003B	BP3003B	BP4103B	BP5003B	BP10003	BP1003P	BP2003P
Capacity	0~100g	0~120g	0~200g	0~300g	0~410g	0~500g	0~1000g	0~100g	0~200g
Readability	1mg								
Scale Size	Φ80mm				Φ110mm			Φ80mm	
Stable Time	1s								
Repeat Ability	1mg						2mg		
Liner	1mg				2mg		3mg		
N.W.	6.8kg								
External Size	350*215*340mm								
Package Size	480*375*515mm								
G.W.	8.5kg								
Work Space Height	240mm								
Calibration	External Cal								

Standard Accessory:

Balance body, scale, adaptor, Standard weights, dust guard, cleaning cloth, tweezers and brush.

Semi-micro Analytical Balance

The precision of the semi-microbalance is 0.01 mg. This series is equipped with a new type of highly integrated electromagnetic sensor, all of its models can be automatically internally calibrated, with the characteristics of high precision and high repeatability. All HPBG-type balances are equipped with a large graphic display screen, which is convenient for users to operate.

Function:

- ∗ Recipe database: 99 datas can be stored
- ∗ Automatic internal calibration
- ∗ Tare/counting/percentage test/animal weighing
- ∗ Baud rate is adjustable/ Density function
- ∗ Unit conversion (g/mg/ct/oz...)
- ∗ Multi-Language: English/ German/French/Italian/ Spanish/Portuguese
- ∗ Keep weight values in GLP/ISO format, Includes date, time, and serial number
- ∗ Plastic protection cover for keypad
- ∗ Sensitivity/speed adjustable
- ∗ Overload alarm/fault alarm/level indicator

Optional Accessories:

- ∗ ION-A15 Static Eliminator
- ∗ Balance plate system. USB version (BL0329) or Bluetooth version (BL0330)
- ∗ Alphanumeric external keyboard (AC005)
- ∗ Serial to USB converter (E1002)
- ∗ Serial cable for serial output to printer or computer (E743)
- ∗ Factory calibration certificate (BL0333)

Static Eliminator (Optional)

Technical Parameters:

Model	BA1265SEM	BA2285SEM
Capacity(g)	62/120	82/220
Resolution(g)	0.01mg/0.1mg	
Min Weighing(g)	0.06mg/0.6mg	
Stable Time	≤6s	
Display	LCD（green back light with black font）	
Scale Size	Φ80mm	
Operation Temp	5-25℃	
Repeat Ability	0.03 / 0.1mg	0.05 / 0.1mg
Liner	±0.08 / ±0.2mg	± 0.1/ ± 0.2mg
Draft Shield Size	162*171*225mm	
Cal. Weight	Internal Calibration	
Interface	RS232C	
Power Supply	110-230V 50/60Hz Out DC 12V 1A	
External Size	345*215*345mm	
N. Weight	5.8 kg	
Package Size	510*400*620mm	
G. Weight	8.5kg	

BP Series Electronic Precision Balance

Functions:

- ∗ Multiple functions including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- ∗ Built-in RS232C output interface for computer and printer.

Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 50/60Hz, Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Repeatability	Linear Error	Scale Size	Package Size	Gross Weight
BP12002	0~1200g	10mg	10mg	20mg	Φ160mm	480*375*515	8.5kg
BP21002	0~2100g						
BP31002	0~3100g						
BP50002	0~5000g		20mg	30mg			
BP21001	0~2100g	100mg	100mg	100mg			
BP31001	0~3100g						
BP41001	0~4100g						
BP51001	0~5100g						
BP61001	0~6100g			200mg			

Standard Accessory:

Balance body, scale, clean cloth.

BE Series Electronic Balance

Scale Size: Φ125mm

Scale Size: 130*130mm

Scale Size: 160*160mm

Scale Size: 255*190mm

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Website: www.biobase.cc / www.meihuatrade.com Website: www.biobase.cc / www.meihuatrade.com

Features:

- ＊ AC/DC exchangeable, balance level, LCD display, rapid weighing response and high stability.
- ＊ Sensor adopts unique locking device, which guarantees protection of balance during transportation.

Functions:

- ＊ System operations: including auto-counting, percentage, automatic calibration, multi-point calibration, standard weights (optional)
- ＊ Multiple functions guarantee easy and reliable operation, including unit conversion (metric carat, gold ounce, etc.), stability, memory, full-scale faring.
- ＊ Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.

Power Supply: AC110/220V±10%, 50/60Hz; Capacity ＜10kg: Power cord, dry battery reservation position (5#*6pcs), no battery; Capacity ≥10kg: Power cord, accumulator.

Technical Parameters:

Model	Capacity	Readability	Repeatability	Linear Error	Scale Size	G.W.	Package Size
BE1002	0~100g	0.01g	0.01g	0.02g	Φ125mm	2.3kg	365*265*170mm
BE2002	0~200g						
BE3002	0~300g						
BE4002	0~400g						
BE5002	0~500g						
BE6002	0~600g						
BE10002	0~1000g				130*130mm		
BE20002	0~2000g		0.02g				
BE30002	0~3000g		0.03g	0.03g	160*160mm		
BE50002	0~5000g						
BE2001	0~200g	0.1g	0.1g	0.1g	Φ125mm		
BE4001	0~400g						
BE5001	0~500g						
BE6001	0~600g						
BE8001	0~800g						
BE10001	0~1000g				130*130mm		
BE16001	0~1600g						
BE20001	0~2000g						
BE30001	0~3000g				160*160mm		
BE40001	0~4000g						
BE50001	0~5000g						
BE60001	0~6000g						
BE80001	0~8000g						
BE100001	0~10000g		0.2g	0.2g	255*190mm	4.5kg	460*395*250mm
BE150001	0~15000g						
BE200001	0~20000g						
BE300001	0~30000g		0.3g	0.3g			
BE1000	0~1000g	1g	1g	1g	130*130mm	2.3kg	365*265*170mm
BE2000	0~2000g						
BE3000	0~3000g				160*160mm		
BE6000	0~6000g						
BE10000	0~10000g				255*190mm	4.5kgm	460*395*250mm
BE15000	0~15000g						
BE20000	0~20000g						
BE30000	0~30000g						

BE-G/N Classic Electronic Balance (Economic Series)

Scale Size: Φ130mm
BE1002G / BE2002G / BE3002G /
BE6002G / BE10002G

Scale Size: Φ160mm
BE20002G / BE30002G /
BE40002G / BE50002G

Scale Size: Φ200*200mm
BE60001GF/BE100001GF/
BE150001GF / BE6000GF /
BE10000GF / BE15000GF

Scale Size: Φ130mm
BE1002N / BE2002N / BE3002N /
BE5002N / BE6002N / BE10002N /
BE3001N / BE6001N / BE10001N

Scale Size: Φ160mm
BE20001NF / BE30001NF /
BE50001NF

Features:

- ∗ AC/DC exchangeable, LCD display, rapid weighing response and high stability.
- ∗ Precision scales calibrated sensor window can effectively make the calibration more accurate(only for BE-G/GF series).
- ∗ External Material:
  BE-G/GF series, stainless steel scale, plastic case and aluminum base thick of 3.8mm,
  BE-N/NF series, stainless steel scale, plastic case and ABS base
- ∗ Superior wireless sensors realize no-button operation of peeled, calibration, avoiding button corrosion by the sample residues.

Optional Functions:

Anti-theft device&Sealing device (Only for BE-G/GF series)
Weighing function under the hanging structure, or test weight for weighing magnetic object density, specific gravity, etc.

Power Supply

AC220V±10%, 50/60HZ; 110V±10%, 50/60HZ
Power cord, dry battery reservation position (AA*6pcs), no battery, no accumulator.

Standard Weight:

Readability Model	1mg	10mg	100mg	1g
200g>Capacity≥100g	100g weight	100g weight	No weight	No weight
500g>Capacity≥200g	200g weight	200g weight	No weight	No weight
Capacity≥500g	500g weight	500g weight	No weight	No weight

Technical Parameters:

Model	Capacity	Readability	Repeatability	Linear Error	Scale Size	G.W.	Package Size	Interface
BE1002G	100g	10mg	±10mg	±10mg	Φ130mm	3.8kg	350*290*160 mm	RS232 (Standard) RS485 (Optional) USB (Optional)
BE2002G	200g							
BE3002G	300g							
BE6002G	600g							
BE10002G	1000g					4.2kg		
BE20002G	2000g				Φ160mm			
BE30002G	3000g							
BE40002G	4000g							
BE50002G	5000g							
BE60001GF	6000g	100mg	±100mg	±100mg	200*200mm	4.5kg		
BE100001GF	10000g							
BE150001GF	15000g							
BE6000GF	6000g	1g	±1g	±1g				
BE10000GF	10000g							
BE15000GF	15000g							
BE1002N	100g	10mg	±10mg	±10mg	Φ130mm	2kg		RS232 (Optional)
BE2002N	200g							
BE3002N	300g							
BE5002N	500g					2.4kg		
BE6002N	600g							
BE10002N	1000g							
BE3001N	300g	100mg	±100mg	±100mg		1.9kg		
BE6001N	600g							
BE10001N	1000g							
BE20001NF	2000g				Φ160mm	2kg		
BE30001NF	3000g							
BE50001NF	5000g							

BM-50 Series Rapid Moisture Meter

Features:

- ∗ LCD Display
- ∗ RS232 communication interface
- ∗ Convenient and quick operating with 6 buttons.
- ∗ Heating element, Halogen lamps, proper for samples requires quick heating.
- ∗ Adopting heating-insulated weighing sensor avoids accuracy affected by heating.

Technical Parameters:

Model	BM-50-10	BM-50-5	BM-50-1
Capacity	50g		
Weight Readability	0.01g	0.005g	0.001g
Repeatability Standard Deviation	0.01g	0.05g	0.002g
Linear Error	0.01g	0.05g	0.002g
Moisture Percentage Accuracy	0.3%	0.2%	0.1%
Scale Size	Φ90mm		
Temperature Capacity	50~180℃	50~180℃	50~180℃
Ambient Temperature	10~30℃	10~30℃	10~30℃
Power Supply	AC110/220V±10%, 50/60Hz; Power cord, no battery		
Package Size	370*470*350mm		
Gross Weight	4.1kg		

BIOBASE

Electronic Density (Specific Gravity) Balance

Liquid

Solid

Technical Parameters:

Model	BA-100D	BA-200D
Max Capacity	100g	200g
Repeatability	10mg	
Linear Error	20mg	
Min Capacity	10mg	
Fixed Support	H=203mm	
Scale Size	Φ110mm	
Output	RS-232C	
Power Supply	AC110/220V±10%, 50/60Hz; Power cord, no battery	
Gross Weight	3.2kg	
Package Size	377*281*278mm	
Accessories	Measuring platform, measuring cup, fixed support, thermometer, doublehook weights, platinum wire, plumb bob, wire basket, balance body, adaptor and standard weights	

Microscope

Microcirculation Microscope

Application:

Microcirculation microscope is used the early diagnosis, guide treatment and observation for varies diseases including cardiovascular, diabetes, hypertension, stroke, rheumatoid arthritis, etc.It is widely used in medicine, health care products, human health consulting, beauty care and other fields. It is also used for individual microcirculation monitoring

WXH-8

WXH-10/12

BIOBASE

Technical Parameters:

Model	WXH-8	WXH-10	WXH-12
Magnification	380X	480X	580X
Display Size(mm)	161*121	204*153	185*240
Objective	10X		
Focus System	Coaxial coarse/ Slightly adjusted, Z axis movement, Mechanical upper and lower limits		
Stage	360°revolve, X,Y axis movement ,moving range 30*80mm		
Illumination	LED illumination with high brightness and lower consumption, new luminaire with lower temperature and 10,000-200,000h working life, 90°revolve left and right		
Power Supply	12V		
Camera	Color camera system, HD LCD display		
Standard Accessory	Aluminum box, Display screen, Power cable, Asphalt, Manual, Flip chart, Microcirculation flattery		
Package Size	270*340*380mm	300*380*380mm	
Gross Weight	5.5kg	7kg	

Digital Biological Microscope

DM-125

DM-300M

Features:

- ＊ The integration of structure design, to save space.
- ＊ Valid mouldproof design, it can be used under the high temperature and high humidity environment.

Technical Parameters:

Model		DM-125	DM-300M
Optical System	Infinite Optical System	/	√
	Finite Optical System	√	/
Viewing Head	Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	√	/
	Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	●	/
	Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	/	√
	Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	/	●
	MD101Microscope Camera with HD Monitor, 5M pixels, Colour CMOS	●	●
Eyepiece	Wide Field Eyepiece WF 10×/18	√	√
	Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment	/	●
Objective	Achromatic Objective 4×,10×,40×,100×	√	/
	Infinite Semi-plan Achromatic Objectives 4×,10×,40×,100×	/	√
	Infinite Plan Achromatic Objectives 4×,10×,40×,100×	/	●
Nosepiece	Backward Quadruple Nosepiece	√	/
	Quadruple Nosepiece	/	√
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	√	√
Condenser	NA1.25 Abbe Condenser	√	/
	Sliding-in Centerable condenser NA1.25	/	√
	Dark Field Condenser (Dry, Oil)	●	/
Focusing System	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	/	√
	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 25mm	√	/
Illumination	6V/ 20W Halogen Lamp, Brightness Adjustable	●	●
	S-LED Illumination, Brightness Adjustable	√	√
Accessories	Phase Contrast Kit, Fluorescent Attachment, Polarization Set	●	●
Power Supply	AC 110~220V, 50/60HZ	√	√
Packing Size(mm)	380*270*470mm (DM-125 Main body) 350*350*640(DM-300M)	√	√
Gross Weight(kg)	8.5(DM-125 Main body); 12(DM-300M)	√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature   Trinocular microscope can be installed camera and screen.

Build-in Camera Biological Microscope

BMB-117M

BMB-300M

Technical Parameters:

Model				BMB-117M	BMB-300M
Viewing Head	Compensation Free Binocular Head, Inclined at 30°, Interpupilary Distance 48-75mm			√	√
	Camera System	Valid Pixel	1280*1024(1.3M Pixel)	√	/
			1600*1200(2.0M Pixel)	●	/
			2048*1036(3.0M Pixel)	/	√
			2052*1944(5.0M Pixel)	/	●
		Output Mode	USB2.0	√	√
		Operation System	WINDOWS7/8 2000 / XP/ VISTA	√	√
		Software	ScopeImage 9.0	√	√
		Range of Viewing Field	>90%(BMB-117M); 18mm(BMB-300M)	√	√
Eyepiece	WF10×/18			√	√
	P16×/11			●	/
	Extra wide filed eyepiece EW10×/20 with diopter adjustment			/	●
Objective	Achromatic Objective 4×, 10×, 40×, 100×			√	/
	Infinite plan Achromatic Objective 4×, 10×, 40×, 100×			/	√
	Infinite Plan Achromatic Phase Objective 10×,20×,40×,100×			/	●
	Oil Darkfield Objective with Iris Diaphragm 100×(NA0.36-1.25)			/	●
Nosepiece	Backward Quadruple Nosepiece			√	/
	Quintuple Nosepiece			/	●
	Quadruple Nosepiece			/	√
Stage	Double Layers Mechanical Stage 140*140mm, Moving range 75*50mm			√	√
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter			√	/
	Swing Condenser N.A.0.9/0.25			/	√
	Turret Phase Contrast Condenser			/	●
	Dark Field Condenser (Dry)			/	●
	Dark Field Condenser (Oil)			/	●
Focusing	Coaxial Coarse & Fine Adjustment System, Range 24mm, Fine Division 0.004mm			√	/
	Coaxial Coarse & Fine Adjustment System, Range 20mm			/	√
Illumination	LED 3W, Brightness Adjustable			√	/
	Halogen Lamp 6V/20W, Brightness Adjustable			●	/
	S-LED Powerful Illumination			/	√
Power Supply	AC 110~220V, 50/60HZ			√	√
Accessories	Phase Contrast Kit			●	●
	Dark-Field Attachment			●	●
	Polarization Attachment			●	●
Package Size	396*262*492(BMB-117M), 334X334X533(BMB-300M)			√	√
Gross Weight	7.5kg (BMB-117M), 12.5kg (BMB-300M)			√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature

Fluorescence Biological Microscope

XY-1

BIOBASE
www.biobase.cc / www.biobase.com

Technical Parameters:

Model	XY-1/XY-2
Viewing Head	Binocular head (XY-1), Trinocular head (XY-2)
Fluorescent Straight Illumination	B(Blue) or G(Green) exciting light filter system, and O ordinary light system. 100W HBO Super high-pressured spherical mercury lamp
Protection Screen	Screen to resist the UV
Power	AC input 220V
Connecting Wire	With 2 connectors
Fluorescent Free Objective	4X, 10X, 40X, 100X (Oil)
Immersion Oil	Fluorescent free oil
Power Supply	AC110/220V±10%, 50/60Hz
Package Size	440*340*220mm (XY-1)/460*350*250mm (XY-2)
Gross Weight	17kg

Note: 110V/220V for LED lamp

Optional: 6.3 or 20 Megapixel, COMOS electronic eyepiece, Ultraviolet, Violet exciting light filter system and ordinary light system. Auxiliary exciting filter EX450-490.

Polarizing Biological Microscope

BMP-107B

Features:

With the features of easy operation, complete functions and economy, it is an ideal instrument in geology, petroleum, coal, chemicals and physic fields. It is also widely used in academic demonstration and scientific research.

Technical Parameters:

BIOBASE
www.biobase.cc / www.biobase.com

Model		BMP-107B	BMP-107T
Viewing Head	Sliding binocular head at 45°, 360° rotatable	√	\
	Sliding trinocular head at 45°, 360° rotatable	\	√
Eyepiece	Eyepiece WF10×/18 with scale of crosshair	√	√
	Eyepiece WF10×/18	√	√
Objective	Strain free achromatic objective 4×, 10×, 40×	√	√
Nosepiece	Toward quadruple nosepiece, center adjustable	√	√
Analyzer	Rotatable analyzer with gradation 0°~90°	√	√
Bertrand Lens	Bertrand lens, sliding in/ out of optical path	√	√
Optical Compensator	λ slip(first class red)	√	√
	1/ 4λ slip	√	√
	Quartz wedge	√	√
Revolving Round Stage	Diameter Φ160mm, graduated in1° increments, Minimum resolution 6' when using vernier scale	√	√
Condenser	Abbe condenser with Iris diaphragm & filter	√	√
Focusing	Coaxial coarse & fine adjustment, range 28mm, fine division 0.002mm	√	√
Polarizer	Sliding in/out of optical path, located on the top of collector	√	√
Illumination	6V/ 20W halogen lamp, brightness adjustable	√	√
Power Supply	AC 110~220V, 50/60HZ	√	√
Package Size	327*273*425mm	√	√
Gross Weight	7.5kg	√	√

Note: √ Standard Outfit, ● Optional, \ without this feature   Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope

Features:

- ＊ Excellent optical function with infinite optical system.
- ＊ Innovative stand structure, sharp image display, convenient operation and special design for viewing incubating cell tissue.

Technical Parameters:

Model	BMI-100		
Optical System	Infinite optical system		√
Viewing Head	Trinocular head inclined at 30°, interpupillary distance 48~75mm		√
Eyepiece	High-point, extra wide field eyepiece EW10×/ 22		√
Objective	LWD infinite plan objective	4×/ 0.1, WD 17.3mm;	√
		10×/ 0.25, WD 10mm;	●
		20×/ 0.4, WD 5.1mm;	●
		40×/ 0.6, WD 2.1mm	√
	Infinite plan phase objective	PH10×/ 0.25, WD 10mm;	√
		PH20×/ 0.4, WD 5.1mm;	√
		PH40×/ 0.65, WD 2.1mm	●
Nosepiece	Quintuple nosepiece		√
Condenser	ELWD condenser NA 0.3, LWD 72mm (without condenser 150mm)		√
Centering	Centering telescope (Φ30MM)		●
Phase Annulus	10×-20×, 40× phase annulus plate (fixed)		√
	10×-20×, 40× phase annulus plate (adjustable)		●
Stage	Plain stage 160×250mm		√
	Glass insert		√
	Attachable mechanical stage, X-Y coaxial control, moving rang120×78mm		●
	Auxiliary stages70×180mm		√
	Terasaki holder		●
	Φ35mm petri dish holder		●
	Φ54mm slide glass holder		●
	Φ90mm petri dish holder		●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range up 8mm, down 3mm		√
Illumination	Halogen lamp 6V/ 30W		√
	LED		●
Filter	Blue, green and ground glass, diameter 45mm		√
Power Supply	AC 110~220V, 50/60HZ		√
Accessories	Inverted flurescent attahement FL-100, photo attachment, video adapter with C mount		●
Package Size	468*397*665mm		√
Gross Weight	15.5kg		√

Note: √ Standard Outfit, ● Optional   Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope

Technical Parameters:

Model	BMI-202		
Optical System	Infinite optical system		√
Viewing Head	Seidentopf trinocular viewing head, Inclined at 45°, 360° rotatable, Interpupillary 48~75mm		√
Eyepiece	wide field eyepiece WF10×/22, eyepiece tube diameter 30mm		√
	Wide field eyepiece WF15×/16		●
	Wide field eyepiece WF20×/12		●
Objective	LWD infinite plan achromatic objective 4×/0.10 WD=22		√
	LWD infinite plan achromatic phase objective	10×/0.25 WD=6	√
		20×/0.4 WD=3.1	√
		40×/0.55 WD=2.2	√
	High-level phase contrast objective	10×/0.25 WD=6	●
		20×/0.4 WD=3.1	●
		40×/0.55 WD=2.2	●
	Lamp house adjustment objective		●
Nosepiece	Backward quintuple nosepiece		√
Condenser	ELWD condenser NA0.3, LWD72mm(without condenser 150mm)		√
Centering Telescope	Centering telescope(φ30mm)		√
Phase Annulus	10×, 20×, 40× phase annulus plate(adjustable)		√
Stage	Plain stage 230×170		√
	Glasse insert		√
	Attachable mechanical stage, X, Y coaxial control, moving rang 80×120mm		√
	Auxiliary stage		√
	Terasaki holder		√
	Petri dish holder φ38		
	Petri dish holder φ54		√
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, moving range up 4.5mm down 4.5mm		√
Illumination	6V, 30W halogen lamp, brightness adjustable		√
Filter	Blue, green and ground glass, diameter 45mm		√
Power Supply	110~220V, 50/60Hz		√
Accessories	Photo attachment		●
	C Mount 0.4×		●
	Epi-Fluorescent attachment		●
Package Size	630*350*620mm		√
Gross Weight	15kg		√

Note: √ Standard Outfit, ● Optional   Trinocular microscope can be installed camera and screen.

Multi-function Biological Microscope

BMM-1000

BMM-2000

Technical Parameters:

Model		BMM-1000	BMM-2000
Optical System	Infinite optical system	/	√
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75mm	√	√
	Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75mm	●	●
Eyepiece	WF10×/18	√	\
	P16×/11	●	\
	WF10×/20	\	√
	WF15×/16	\	●
Objective	Achromatic objective 4×, 10×, 40×,100×	√	\
	Plan achromatic objective 4×, 10×, 40×, 100×	●	\
	Infinite plan achromatic objective 20×, 60×	\	●
	Infinite plan achromatic objective 4×, 10×, 40×, 100×	●	√
Nosepiece	Quadruple nosepiece	√	\
	Backward quadruple nosepiece	\	√
	Backward quintuple nosepiece	\	●
Focusing	Coaxial coarse & fine adjustment,fine division 0.002mm,coarse stroke 37.7mm per rotation,fine stroke 0.2mm per rotation ,moving range 20mm	√	√
Stage	Double layers mechanical stage:132*142mm, moving range:75*40mm	√	\
	Rectangular 230*150mm stage, moving range:78*54mm, using low-positioned X/Y coaxial control knob	\	√
Condenser	Abbe condenser NA1.25 with aperture diaphragm	√	√
Illumination	S-LED Illumination, brightness adjustable	√	√
	12V/20W Halogen lamp, brightness adjustable	●	●
	Kohler illumination	●	●
Power Supply	110~220V, 50/60Hz	√	√
Accessories	Photo attachment, video attachment	●	●
	Dark field condensor	●	\
	Polarization set, phase contrast kit	\	●
Package Size	323*264*440mm(BMM-1000), 380*260*510mm(BMM-2000)	√	√
Gross Weight	6.5kg(BMM-1000), 10kg(BMM-2000)	√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature

Economical Biological Microscope

BME-500D

BME-500E

BME-500SM

BME-500V

Technical Parameters:

Model	BME-500D	BME-500E	BME-500SM	BME-500V
Viewing Head	Monocular Head Inclined at 45°, 360° rotatable	Compensation Free Binocular Head Inclined at 30°, 360° rotatable	Compensation Free Trinocular Head, 360° rotatable	Dual viewing head, one tube 30°, inclined and another tube vertical, 360° rotatable
Achromatic Objectives	4X, 10X, 40X(Spring), 100X(Spring, Oil)			
Eyepiece	Wide Field Eyepiece: WF10X, (WF16X optional)			
Stage	Double Layer Mechanical Stage Size 120X125mm			
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30mm, Focusing Interval 0.002mm			
Condenser	Abbe NA=1.25 with Iris Diaphragm&Filter			
Illumination	LED(1W) Lamp 220V or 110V, (LED 3W lamp optional)			
Power Supply	AC110/220V±10%, 50/60Hz			
Package Size	450*360*240mm			
Gross Weight	5kg			

Note: Trinocular microscope can be installed camera. 110V/220V for LED lamp.

XS-208 Series Laboratory Biological Microscope

XS-208A

XS-208B

XS-208C

XS-208AP

XS-208BP

XS-208AB

Technical Parameters:

	Specification	Model					
		XS-208A	XS-208B	XS-208C	XS-208AP	XS-208BP	XS-208AB
Viewing Head	Sliding Binocular Head Inclined at 45°	√					
	Sliding Trinocular Head Inclined at 45°		√				
	Compensation Free Binocular Head inclined at 30°				√		√
	Compensation Free Trinocular Head inclined at 30°			√		√	
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece：WF10X/18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√	√			√	√
	Infinite Plan Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)			√	√		
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm&filter, rack&pinion adjustment	√	√	√	√	√	√
Illumination	Build-in Illumination, LED lamp	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Optional Accessories	Dark field condenser, Phase contrast kit	√	√	√	√	√	√
Package	Carton with foam	√	√	√	√	√	√
Package Size	250*360*460mm	√	√	√	√	√	√
Gross Weight	8kg	√	√	√	√	√	√

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope).

XSB-Series Laboratory Biological Microscope

XSB-301A

XSB-301B

Technical Parameters:

	Specification	Model XSB-301P	XSB-301B	XSB-102B	XSB-301A
Viewing Head	Compensation Free Binocular Head inclined at 30°				
	Compensation Free Trinocular Head inclined at 30°	√	√		
	Sliding Binocular Head inclined at 45°			√	
	Sliding Trinocular Head inclined at 45°				√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece：WF10X18mm	√	√	√	√
Objective	Plan Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√			
	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)		√		√
	Achromatic 10X, 20X, 40X(Spring)100X(Spring, Oil)			√	
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√
Condenser	Abbe NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustment	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W, Power Suoly 220V	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√
Optional Accessories	Dark field condenser, Phase contrast kit,Constant temperature platform	√	√	√	√
Package	Each set in styrofoam, to carton for safety	√	√	√	√
Package	Carton with foam	√	√	√	√
Package Size	240*340*400mm	√	√	√	√
Gross Weight	7kg	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

BX-Series Laboratory Biological Microscope

BX-101A

BX-101B

BX-102A

BX-102B

BX-102C

BX-103C

Technical Parameters:

	Specification	Model					
		BX-101A	BX-101B	BX-102A	BX-102B	BX-102C	BX-103C
Viewing Head	Monocular Head inclined at 45°	√					
	Dual Observation 45 °, -90° inclined and vertical 360° rotatable		√				
	Sliding Binocular Head inclined at 45°			√	√		
	Compensation Free Binocular Head inclined at 30°					√	
	Sliding Free Trinocular Head inclined at 45°						√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece：WF10X 18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√	√	√	√	√	√
Stage	Double Layer Mechanical Stage 115*125mm moving range 30*50mm	√	√	√	√	√	√
Condenser	Abbe NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W ,Power Suoly 220V,3W LED	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√	√
Package Size	230*360*460mm	√	√	√	√	√	√
Gross Weight	6kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Inverted Microscope

XDS-403

NIB-100

Technical Parameters:

Model	Specifications	XDS-403	NIB-100
Viewing Head	Trinocular viewing head, inclined at 45°	√	
	Trinocular viewing head, inclined at 30°		√
Eyepiece	WF10X/20mm	√	
	EW10X/22mm		√
Objective	LWD Plan objective 4X,10X,20X, 40X	√	
	LWD Infinite plan objective 4X,10X,20X, 40X Infinite plan phase objective 10X,20X, 40X		√
Stage	Double layers mechanical stage, stage size:242*172mm, central stage:φ110mm, moving range: 75*50mm	√	
	Plain stage: 160*250mm, glass insert, attachable mechanical stage, X-Y coaxial control, moving range: 120*78mm Auxiliary stage 70*180mm, Terasaki holder, Petri dish holderφ35mm/φ54mm/φ90mm, slide glass holder φ54mm		√
Condenser	NA 0.3 Abbe condenser W.D. 75mm	√	
	ELWD Condenser NA 0.3, LWD 72mm (without condenser 150mm)		√
Interpupillary Distance	50-75mm/48-75mm	√	√
Focusing	Coaxial coarse& fine adjustment, fine division 0.002mm	√	√
Phase Contrast Sliding Plate	Center of phase contrast ring plate adjustable	√	
	10X, 20X, 40X phase annulus plate (fixed) 10X, 20X, 40X phase annulus plate (adjustable)		√
Center Telescope	Center telescope	√	
	Center telescope(φ30mm)		√
Illumination	Halogen lamp 12V/30W, adjustable brightness	√	
	LED lamp 3W/Halogen lamp 6V/30W		√
Filter	Blue, green, yellow and frosted glass	√	
	Blue, green and frosted glass		√
Optional Accessories	B, G wave band, 220V(110V)/100W Fluorescent Mercury lamp; photograph connecting tube, adapter with MD or PK mount, 4X photograph eyepiece	√	
	Inverted fluorescent attachment, photo attachment, video adapter with C mount		√
Power Supply	AC110/220V±10%,50/60Hz	√	√
Package Size	350*250*508mm(XDS-403), 468*397*665mm(NIB-100)	√	√
Gross Weight	15kg	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Metallurgical Microscope

XJD-100

XJD-200

XDS-1

Technical Parameters:

	Specification	Model			
		XJD-100	XJD-200	XDS-1	4XC
Viewing Head	Monocular Head Inclined at 45°	√			
	Sliding Binocular Head Inclined at 45°		√		
	Sliding Trinocular Head Inclined at 45°			√	
	Compensation Free Trinocular Head30°				√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√
Eyepiece	WF10X,WF12.5X	√	√	√	
	WF10X20mm				√
Objective	Metallurgical objectives 10X, 40X, 100X(S, Oil)	√	√	√	
	Infinity metallurgical objectives 4X, 10X, 20X(S), 40X				√
Stage	Double Layer Mechanical Stage 242*172mm moving range 75*50mm				√
	Double Layer Mechanical Stage 135*140mm moving range 70*50mm	√	√	√	
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002mm	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,	√	√	√	√
Filter	Blue, Green, Yellow	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√
Package Size	300*400*520mm	√	√	√	√
Gross Weight	12kg	√	√	√	√

Note: 110V/220V for LED lamp , 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Metallurgical Microscope

Technical Parameters:

Model		MM-5000
Optical System	Infinite optical system	√
Extra Wide Field Eyepiece	EW10×/22	√
	EW10×/20 eyepiece with scale of cross hair	√
	EW15×/16	●
	EW20×/12	●
Infinite LWD Plan Achromatic Objective	5×/0.12/∞/0(BF/DF) LWD 10mm	√
	10×/0.25/∞/0(BF/DF) LWD 10mm	√
	20×/0.4/∞/0(BF/DF) LWD 5mm	√
	50×/0.75/∞/0(BF/DF) LWD 1.3mm	√
	100×/0.9/∞/0(BF/DF) LWD 0.7mm	√
Viewing Head	Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48~75mm	√
Kohler Incident Light	12V/50W halogen light, center and brightness adjustable	√
	Polarizer and analyzer	√
	DIC	●
	Built-in green, blue, yellow, gray and ground glass	√
Focusing	Coaxial coarse and fine adjustment, fine division 2μm,	√
Nosepiece	Backward quintuple nosepiece	√
Stage	Double layer mechanical stage 226×178mm, Moving range 40mm×40mm	√
	Stage Φ20, Φ30, teardrop	√
Accessories	Photo/Video attachment	●
	Micrometer scale 0.01mm	√
Power Supply	AC110/220V±10%, 50/60Hz	√
Package Size	730*350*550mm	√
Gross Weight	18kg	√

Note: √ Standard Outfit, ● Optional Outfit

Digital Microscope

BXTV-1

BXTV-1A

BXTV-1B

BXM-1B

Technical Parameters:

	Specification	Model			
		BXTV-1	BXTV-1A	BXTV-1B	BXM-1B
Viewing Head	Sliding Trinocular Head Inclined at 45°	√	√		
	Compensation Free Trinocular Head inclined at 30°			√	
	10° LCD				√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√
Eyepiece	WF10X/18mm	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, O)	√	√		
	Plan Achromatic 4X, 10X, 40X(S)100X(S, O)			√	√
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W, Power supply 90-230V	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√
Package	Cartoon with foam	√	√	√	√
Package Size	250*360*460mm	√	√	√	√
Gross Weight	8kg	√	√	√	√

Image Sensor	1/3 SONY CCD	Video Output	BNC 1.0VP-P.75
Signal System	PAL/NTSC	Backlight Compensation	OFF/ON
Scanning Frequency	Horizontal: 15.62KHz; Vertical: 50Hz	Electronic Shuttle	AUTO IRIS EE
Horizontal Resolution	480TV/520TV	Camera Interface	CS
Min Illumination	F1.2 0.5LUX; 0.01 LUX	Balance	Auto
Gain Control	Auto	Power	DC 12V
48S/N Ratio	50dB AGC		

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Stereo Zoom Microscope

SZM-45

SZM-45T

ST-20

ST-40

ST-60

Technical Parameters:

Model	Specifications	SZM-45	SZM-45T
Viewing Head	Binocular view head inclined at 60°	√	
	Trinocular view head inclined at 45°		√
	Digital view head inclined at 45°		√
Eyepiece	High point wide field adjustable eyepiece WF10X22mm	√	√
Zoom Objective	0.67X--4.5X	√	√
Zoom Ratio	6.7:1	√	√
Auxiliary Objective	0.5X/177mm,1.5X/47mm, 2X/26mm	√	√
Working Distance	115mm	√	√
Focusing Bracket	Focusing frame and adjustment knob	√	√
Interpupillary Distance	55-75mm/52-75mm	√	√
Up Illumination	LED lamp	√	√
Down Illumination	LED lamp	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Package	Cartoon with foam	√	√
Package Size	mm	500*260*370	
Gross Weight	kg	8	

Model	ST-20	ST-40	ST-60
Illumination	Natural light Binocular	Tranilluminator/inclined light	Natural light
View Head And Body	Straight Head	Inclined viewing Up-rotatable body	Inclined viewing Body 360°rotatable
Objective	2X	2X&4X, 90°rotated	2X&4X, 360°rotated
Working Distance	80mm	57mm	100mm
Eyepiece	WF10X/20		
Power Supply	/	AC110/220V±10%, 50/60Hz	
Package Size	300*200*150mm	360*170*290mm	400*250*360mm
Gross Weight	3kg	6kg	8kg

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: SZM-45, SZM-45T: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope) ;
ST-20, ST-40, ST-60: Fluorescent lamp

Ultrasonic Cleaner

Single Frequency Type

Introduction:

Ultrasonic cleaning is a process that uses ultrasonic and an appropriate cleaning solvent to clean items.

40KHz

80KHz

Features:

- ∗ Standard basket and lid.
- ∗ Time and temperature real-time display.
- ∗ Fully microprocessor controller and programmable.
- ∗ Digital display, easy operation for time and temperature.
- ∗ Low-level water protection (UC-20S, UC-20SII, UC-30S, UC-30SII, UC-50S, UC-60S, UC-70S).
- ∗ Standard Power Supply: AC220v±10%, 50/60Hz; 110V±10%, 60Hz (Except for UC-5S, UC-10S, UC-20S, UC-20SII).

Technical Parameters:

Model	Capacity (L)	Ultrasonic Frequency	Time Range /Heating Temp	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	Packing Size L*W*H(mm)	Gross Weight(kg)
UC-08A	1.3	40KHz	1~30min /20~80℃	60	200	150*140*65	260*260*260	2.5
UC-10A	2			60	200	150*140*100	260*260*290	3
UC-20A	3			120	200	240*135*100	350*260*330	4
UC-30A	6			180	400	300*150*150	430*280*380	6
UC-40A	10			240	400	300*240*150	430*370*380	8
UC-50A	14			300	400	300*240*200	430*370*430	9
UC-60A	15			360	600	330*300*150	460*430*390	10
UC-70A	19			420	600	330*300*200	460*430*430	11
UC-80A	22			480	800	500*300*150	630*430*390	13
UC-100A	30			600	1000	500*300*200	630*430*430	15
UC-5S	2	80KHz	1~480min /RT~80℃	50	100	150*140*100	260*260*280	3.5
UC-10S	4			100	400	300*150*100	445*250*400	8.5
UC-20S	6			200	400	300*150*150	435*240*430	8.8
UC-20SII	8			200	400	300*150*180	505*355*495	13
UC-30S	10			300	400	300*240*150	446*346*463	12.1
UC-30SII	13		1~480min /0~80℃	300	400	300*240*180	840*670*730	75
UC-50S	27			500	800	500*300*180	1100*690*820	99
UC-60S	27			600	800	500*300*180	1100*690*820	101
UC-70S	27			700	800	500*300*180	1100*690*820	101

Double Adjustable Frequencies Type

Features:

- ∗ Over-voltage and over-current protection.
- ∗ Standard basket and lid.
- ∗ Low-level water protection.
- ∗ Fully microprocessor controlled and programmable.
- ∗ Digital display, easy setting for time and temperature.
- ∗ Time and temperature real-time display.
- ∗ Standard Power Supply: AC220v±10%, 50/60Hz;110V±10%, 60Hz (Except for UC-10SD, UC-10SDII, UC-20SD, UC-20SDII, UC-30SD).

Technical Parameters:

Model	Capacity (L)	Adjustable Ultrasonic Frequency (KHz)		Time Range /Heating Temp	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	Packing Size L*W*H(mm)	Gross Weight(kg)
UC-30SDG	13	45	80	1~480min /0~80℃	300	400	300*240*180	840*670*730	73
UC-50SD	27	45	80		500	800	500*300*180	1100*690*800	101
UC-60ST	27	45	80		600	800	500*300*180	1100*690*800	102
UC-70ST	27	45	80		700	800	500*300*180	1100*690*800	104
UC-10SD	3	45	80	1~480min /RT~80℃	100	400	230*140*100	446*250*400	7
UC-10SDII	4	45	80		100	400	230*140*130	446*346*453	12
UC-20SD	6	45	80		200	400	300*150*150	445*250*430	9.5
UC-20SDII	8	45	80		200	400	300*150*180	500*350*480	15.5
UC-30SD	10	45	80		300	400	300*240*150	446*346*483	12.5
UC-30SDII	13	45	80		300	400	300*240*180	650*540*630	37

Shaker

Orbital and Linear Shaker

Digital orbital and linear shaker is suitable for mixing in culture dishes, flasks and beakers.

Features:

- ＊ Double LCDs for independent display of time and speed.
- ＊ Over speed detection and protection.
- ＊ Different platforms and fixtures for selection.
- ＊ Remote function provides PC control and data transmission.

Technical Parameters:

Model	SK-O330-Pro	SK-L330-Pro	SK-O180-Pro	SK-L180-Pro
Item No.	8012220199	8012120100	8012210100	8012110100
Shaking Motion	Orbital	Linear	Orbital	Linear
Orbital Diameter	10mm	/	4mm	/
Amplitude	/	10mm	/	4mm
Max. Shaking Weight (with attachment)	7.5kg		2.5kg	
Motor Type	Brushless DC motor			
Motor Input	28W			
Motor Output	15W			
Speed Range	100-500rpm	100-350rpm	100-800rpm	100-350rpm
Speed And Timer Display	LCD			
Time Range	1~1199min			
Operation Mode	Continuous/timed operation			
Working Environment	5~40℃, 80%RH			
Protection Type	IP21			
Connection Interface	RS232			
Consumption	30W			
Power Supply	100~240V,50/60Hz			
Standard Accessory	1pc SK330.1 universal attachment		1pc SK180.1 universal attachment	
External Size(W*D*H)	420*370*100mm		340*300*100mm	
Package Size(W*D*H)	600*500*230mm (shaker) 450*350*260mm (accessories)		450*450*170mm (shaker) 450*350*260mm (accessories)	
Gross Weight	15kg (shaker), 3kg (accessories)		10kg (shaker), 3kg (accessories)	

3D and Rocking Shaker

3D shaker and Rocking shaker are suitable for mixing applications in wide fields including, gel staining and destaining, washes, hybridisations, immune precipitation and Western blots etc.

SK-D3309-Pro

SK-R330-Pro

Features:

- ＊ Double LCDs for independent display of time and speed.
- ＊ Different platforms and fixtures for selection.
- ＊ 3D shaker: gentle 3D motion with fixed angle 9°; Rocking shaker: smooth see-saw rocking motion with fixed angle 9°.
- ＊ Wide range of platforms for use with a variety of vessels.

Technical Parameters:

Model	SK-D3309-Pro	SK-R330-Pro
Item No.	8012422100	8012322100
Rocking Motion	3D orbital	See-saw rocking
Angle	9°	
Max. Load Capacity (With Wttachment)	5kg	10kg
Motor Type	DC motor	
Speed Range	10~70rpm	
Speed And Timer Display	LCD	
Time Range	1~1199min	
Operation Mode	Continuous/ timed operation	
Working Environment	5-40℃, 80%RH	
Motor Input	IP21	
Motor Output	40W	
Protection Type	24W	
Consumption	50W	
Power Supply	100~240V,50/60Hz	
Standard Accessory	1pc SK330.5 petri dish platform	
External Size(W*D*H)	360*430*106mm	360*410*200mm
Package Size(W*D*H)	540*480*370mm	540*480*340mm
Gross Weight	16kg	15kg

Optional Accessories:

Cat. No.	18900027	18900040	18900155	18900028	18900025	18900038	18900185	18900026	18900200
Model	SK330.1	SK330.3	SK330.5	SK330.2	SK180.1	SK180.3	SK180.4	SK180.2	SK180.6
Descriptions	Universal attachment with 4 bars Size(W*D): 320*320mm	Lengthways roller attachment Size(W*D): 320*320mm	Petri dish platform with non-slip mat and fixed string (8 pcs) Size(W*D): 300*285mm	Fixing clip attachment	Universal attachment with 3 bars Size(W*D): 250*245mm	Lengthways roller attachment Size(W*D): 250*245mm	Petri dish platform with non-slip mat Size(W*D): 240*215mm	Fixing clip attachment	Dish attachment with non-slip mat Size(W*D): 280x280mm
Used with Shakers									
SK-R330-Pro	√	√	√	√	/	/	/	/	/
SK-D3309-Pro	√	√	√	√	/	/	/	/	/
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	/	/	/	/	/
SK-O180-Pro/ SK-L180-Pro	/	/	/	/	√	√	√	√	√

Cat. No.	18900029	18900030	18900031	18900032	18900033	18900036	18900037	18900280
Descriptions	Fixing clip for flask volume 25ml, used with SK330.2 (56pcs)&SK 180.2 (36pcs)	Fixing clip for flask volume 50ml, used with SK330.2 (28pcs)&SK 180.2 (18pcs)	Fixing clip for flask volume 100ml, used with SK330.2 (28pcs) & SK180.2 (18pcs)	Fixing clip for flask volume 200ml/250ml, used with SK330.2 (13pcs) &SK180.2 (8pcs)	Fixing clip for flask volume 500ml, used with SK330.2 (9pcs) & SK180.2 (8pcs)	Bar for SK330.1 universal attachment	Bar for SK180.1 universal attachment	Connect sticks for double dishes shaker
Used with Shakers								
SK-R330-Pro	√	√	√	√	√	√	/	√
SK-D3309-Pro	√	√	√	√	√	√	/	√
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	√	√	/	√
SK-O180-Pro/ SK-L180-Pro	√	√	√	√	√	/	√	√

Wrist Shaker

Features:

- ∗ PID microprocessor control, LCD display.
- ∗ Maintenance-free spherical bearings.
- ∗ 8 customized programs, with different speed and time setting.
- ∗ Automatic operation, auto-stop, timing,time display, parameters memory and recovery function.
- ∗ Simulating manual oscillation from mild to strong shaking.
- ∗ Suitable for flask, reagent bottles, tubes, jars, narrow mouth bottles, retort, separating funnel, straight mouth bottles.
- ∗ Leakage current and over current safety protection system.
- ∗ Can be used in incubators, warm rooms, environmental chambers and refrigerators.

Technical Parameters:

Model	SK-W810
Angle Shaking	12˚
Rotary Speed	50~600rpm
Rotary Accuracy	±1rpm
Operation Mode	Continuous or timing
Max. Opening of the Clips	50mm
Max. loading	Each side is 6.8 Kg
Ambient Temp.	4℃~40℃
Ambient Humidity	20%~80%RH
Motor	Variable frequency motor
Material	Main body and arm 304 stainless steel
Standard Accessory	Main body, arm stand, flask clip*12 pcs
Consumption	60W
Power Supply	AC110/220V±10%, 50/60Hz
Main Body Size(W*D*H)	272*452*320mm
Complete Machine Size(W*D*H)	810*452*320mm
Package Size(W*D*H)	590*500*600mm
Net/Gross Weight	30kg/45kg

Table Top Small Capacity Shaker

SK-810/SK-830F

SK-851/SK-871/SK-861F/SK-881F

Applications:

It is widely used in bacterial culture, fermentation, hybridization, biochemical reaction, enzyme and cell tissue research in the pharmaceutical industry. It has extensive and major applications in research and application fields such as medicine, biology, molecular science, pharmacy, food, and environment.

Features:

∗ Incoming call recovery function.

∗ Equipped with high-quality servo motor, the control speed is accurate, the high and low speed performance is good, and the stability is strong.

∗ Ultra-low speed start function, adjustable start speed.The speed-up control circuit is adopted to start slowly and accelerate steadily to ensure the safety of experimental samples.

Technical Parameters:

Model	SK-810	SK-851	SK-871	SK-830F	SK-861F	SK-881F
Controller	PID					
Display	LCD					
Shaking Mode	Rotatory shaking			Reciprocating shaking		
Drive Mode	Unishaft drive	Multidimensional drive		Track drive		
Rotating Speed	20-300rpm/min		20~150rpm/min	20~260rpm/min	20~150rpm/min	20~260rpm/min
Rotating Accuracy	±1rpm					
Vibration Range	Φ26mm			0-50mm		
Timing Range	0-9999h/min					
Shaking Plate Size	460*380mm	800*600mm	950*730mm	460*380mm	950*730mm	800*600mm
Standard Capacity	250ml*16	1000ml*18	1000ml*30	250ml*16	1000ml*30	1000ml*18
Max. Capacity (Flask clamp)	100ml*22 or 250ml*16 or 500ml*8	250ml*48 or 500ml*33 or 1000ml*20	250ml*80 or 500ml*53 or 1L*30 or 2L*20 or 3L*12	100ml*22 or 250ml*16 or 500ml*8	250ml*80 or 500ml*53 or 1L*30 or 2L*20 or 3L*12	250ml*48 or 500ml*33 or 1000ml*20
Max. Capacity (Sticky board)	100ml*20 or 250ml*20 or 500ml*9	250ml*48 or 500ml*32 or 1000ml*20	250ml*71 or 500ml*53 or 1L*30 or 2L*20 or 3L*12	100ml*20 or 250ml*20 or 500ml*9	250ml*71 or 500ml*53 or 1L*30 or 2L*20 or 3L*12	250ml*48 or 500ml*32 or 1000ml*20
Consumption	80W	200W	300W	80W	300W	200W
Power Supply	220V±10%, 50/60Hz (Standard); 110V±10%, 60Hz (Optional)					
External Size (W*D*H)mm	460*410*250	900*650*600	1040*760*595	460*410*250	1040*760*595	900*650*600
Package Size (W*D*H)mm	600*480*335	1050*800*795		600*480*335	1050*800*795	
Gross Weight	40kg	290kg		40kg	290kg	

Table Top Large Capacity Shaker

Applications:

It is widely used in bacterial culture, fermentation, hybridization, biochemical reaction, enzyme and cell tissue research in the pharmaceutical industry. It has extensive and major applications in research and application fields such as medicine, biology, molecular science, pharmacy, food, and environment.

Features:

* Ultra-low speed start function, the start speed is adjustable.
* Restore function after power on.
* Equipped with high-quality servo motor, the control speed is accurate, the high and low speed performance is good, and the stability is strong.
* The speed-up control circuit is adopted to start slowly and accelerate steadily to ensure the safety of experimental samples.

Technical Parameters:

Model	SK-852	SK-872	SK-862F	SK-882F
Controller	PID			
Display	LCD			
Circulation Mode	Natural convection			
Shaking Mode	Rotatory shaking		Reciprocating shaking	
Drive Mode	Multi-dimensional drive		Track drive	
Rotating Speed	20-300rpm	20-150rpm		20-260rpm
Rotating Accuracy	±1rpm			
Vibration Range	Φ26mm		0-50mm	
Timing Range	0-9999h/min			
Shaking Plate Size	800*600mm	950*730mm		800*600mm
Shaking Plate Quantity	2pcs			
Standard Capacity (Flask Clamps Qty)	250ml*46 & 1000ml*18	250ml*71 & 1000ml*30	250ml*71 & 1000ml*30	250ml*46 & 1000ml*18
Optional Flask Clamps	250ml*96 or 500ml*66 or 1000ml*40	250ml*160 or 500ml*106 or 1000ml*60 or 2000ml*40 or 3000ml*24		250ml*96 or 500ml*66 or 1000ml*40
Optional Sticky Board	250ml*96 or 500ml*64 or 1000ml*40	250ml*142 or 500ml*106 or 1000ml*60 or 2000ml*40 or 3000ml*24		250ml*96 or 500ml*64 or 1000ml*40
External Material	Cold-rolled steel with anti-bacterial powder coating			
Consumption	200W	300W		200W
Power Supply	220V±10%, 50/60Hz (Standard); 110V±10%, 60Hz (Optional)			
External Size(W*D*H)	900*650*900mm	1040*760*1050mm		900*650*900mm
Packing Size(W*D*H)	1110*800*1155mm			
Gross Weight	350kg			

Mixer

Vortex Mixer

Application:

Used for liquid, liquid-solid, solid (powder) mixing, the vortex mixer can mix any liquid and powder in the form of whirlpool. The mixing speed is fast, uniform, thorough. Widely used in environmental monitoring, medical and health, petrochemical, food, metallurgy, PCR laboratory, scientific research and production enterprises laboratory, laboratory, for mixing, extraction and biological, biochemical, cell, strain and other sample oscillation culture.

Features:

- ＊ The shell is white and gray, beautiful and atmospheric.
- ＊ New type of DC brushless motor, stepless adjustment, low noise and long effect.
- ＊ Digital display to ensure the accuracy of time and speed.
- ＊ Time and speed adjustment response is fast, saving experiment time.
- ＊ Solid and reliable workmanship, excellent shock absorption, suitable for high-speed operation.
- ＊ A variety of models and accessories are available.

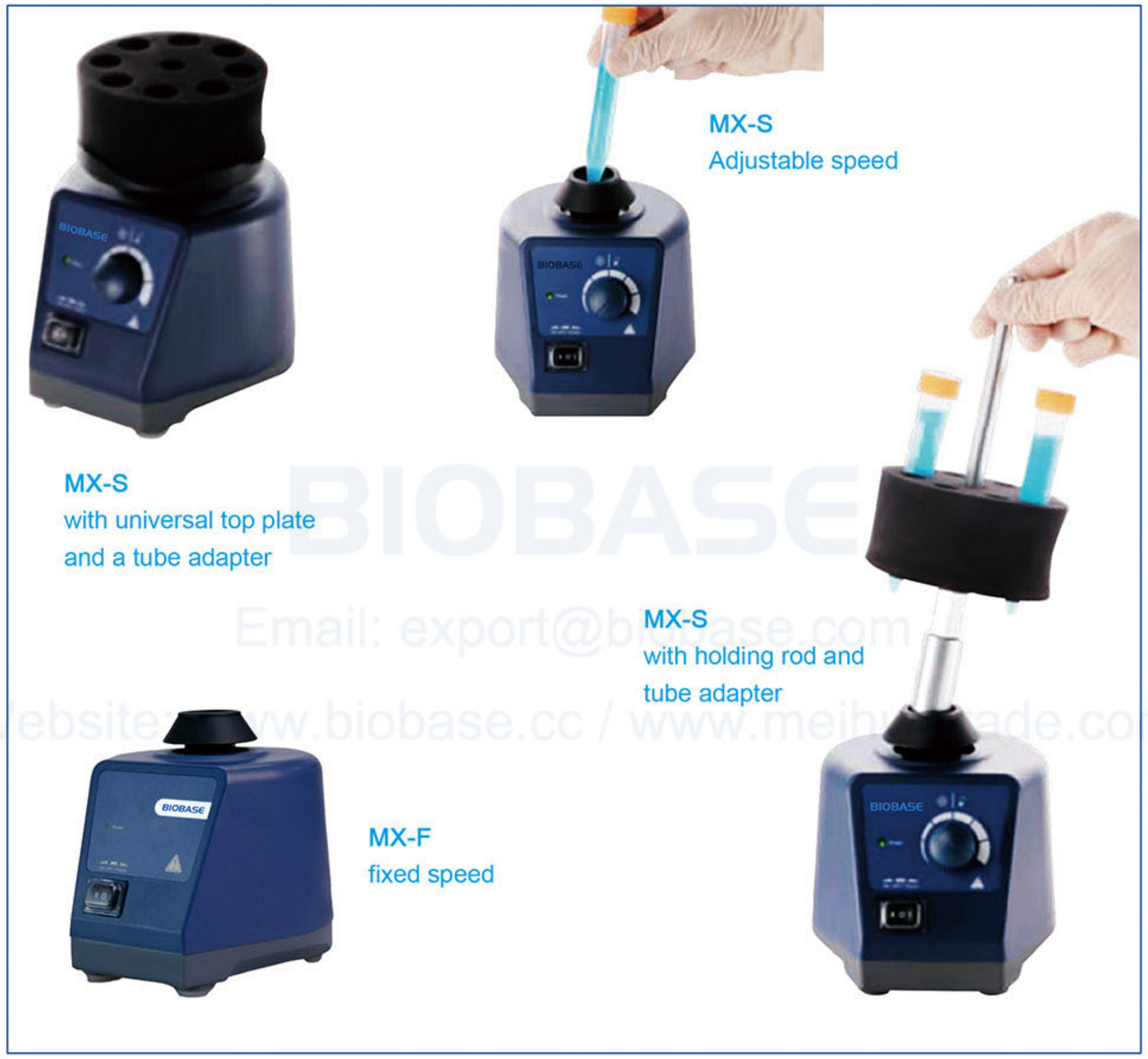
Technical Parameters:

Model	BJPX-VW
Speed/Accuracy	200-3000rpm/ ±5rpm
Timing	0-9999 min/s
Amplitude Range	4mm
Oscillation Mode	Circular motion
Working Mode	Point vibration, continuous
Control Form	Pressure sensing
Power	35W
Power Supply	100-240V, 50/60Hz
Packing Size	280mm*230mm*210mm
Gross Weight	7.1kg

Accessories Technical Parameters:

Type	Item No.	Mode	Max Speed	Max Test Tube Size	Pictures	Standard/ Optional
Test tube platform	XW001	Point vibration, continuous	3000rpm	Suitable for test tubes of different sizes		Standard
Flat bottom container platform	XW002	Point vibration, continuous	2000rpm	Container bottom size≤Φ80mm		Optional
Test tube holder: 19*10mm	XW003	Continuous	2000rpm	Applicable to 19 test tubes with an outer diameter of 10mm		Optional
Test tube holder: 13*12mm	XW004	Continuous	1600rpm	Suitable for 13 test tubes with an outer diameter of 12mm		Optional
Test tube holder: 12*15mm	XW005	Continuous	1600rpm	Suitable for 12 test tubes with outer diameter of 15mm		Optional
Test tube holder: 7*20mm	XW006	Continuous	1200rpm	Applicable for 7 test tubes of 20mm outer diameter		Optional
Test tube holder: 4*26mm	XW007	Continuous	1000rpm	Suitable for 4 test tubes with outer diameter of 26mm		Optional

Vortex Mixer



MX-S
Adjustable speed

MX-S
with universal top plate
and a tube adapter

MX-S
with holding rod and
tube adapter

MX-F
fixed speed

Features:

- ∗ Touch operation or continuous mode.
- ∗ Variable speed control from 0 to 2500rpm (MX-S).
- ∗ Fixed Speed 2500rpm (MX-F).
- ∗ Used for various mixing applications with optional adapters (MX-S).
- ∗ Specially designed vacuum suction feet for body stablility.
- ∗ Robust aluminum-cast construction.
- ∗ When the test tube adapter or flat gasket accessory is selected, it must be matched with VY1.2 or VT1.3.

Accessories for MX-S:

Cat. No: 18900034 VT1.1 Standard top for <Ø30mm tubes and small vessels	**Cat. No: 18900505** VT1.3 Universal top plate Ø 100mm, used with tube adapters.	**Cat. No: 18900020** VT1.3.1 tube adapter for 48 holes test tubes, Ø6mm, used with VT1.3/ VT1.2	**Cat. No: 18900021** VT1.3.2 tube adapter for 15 holes test tubes, Ø10mm, used with VT1.3/ VT1.2	**Cat. No: 18900022** VT1.3.3 tube adapter for 12 holes test tubes, Ø12mm, used with VT1.3/ VT1.2
Cat. No: 18900023 VT1.3.4 tube adapter for 8 holes test tubes, Ø 1 6mm, used with VT1.3/ VT1.2	**Cat. No: 18900024** VT1.3.5 tube adapter for 8 holes test tubes, Ø20mm, used with VT1.3/ VT1.2	**Cat. No: 18900043** VT1.3.6 Platform pad for <Ø99mm tubes and small vessels	**Cat. No: 18900158** VT1.3.7 Rubber vacuum suction foot	**Cat. No: 18900044** VT1.2 Tube holding rod used with tube adapters

Technical Parameters:

Model	MX-S	MX-F
Item No.	8011102000	8011101000
Shaking Mode	Orbital	
Orbital Diameter	4mm	
Motor Type	Shaded pole motor	
Motor Input	58W	
Motor Output	10W	
Speed Range	0~2500rpm	2500rpm
Speed Display	Scale	/
Operation Mode	Continuous/touch operation	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Power Consumption	60W	
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessories	VT1.1 Standard top	
External Size(W*D*H)	127*130*160mm	
Package Size(W*D*H)	300*250*230mm	
Gross Weight	3kg	

Optional Accessories:

Accessories	MX-S (0~2500rpm)	
	Touch Mode (High Speed Area)	Continuous Mode (Low Speed Area)
VTI.1	Standard	Standard
VTI.2 + VT1.3.1	Optional	/
VTI.2 + VT1.3.2	Optional	/
VTI.2 + VT1.3.3	Optional	/
VTI.2 + VT1.3.4	Optional	/
VTI.2 + VT1.3.5	Optional	/
VTI.3 + VT1.3.6	Optional	/
VTI.3 + VT1.3.1	/	Optional
VTI.3 + VT1.3.2	/	Optional
VTI.3 + VT1.3.3	/	Optional
VTI.3 + VT1.3.4	/	Optional
VTI.3 + VT1.3.5	/	Optional

Application of accessories:

Cat. No.	P/N
18900034	VT1.1
18900044	VT1.2
18900505	VT1.3+VT1.3.7
18900020	VT1.3.1
18900021	VT1.3.2
18900395	VT1.3.8
18900022	VT1.3.3
18900023	VT1.3.4
18900024	VT1.3.5
18900043	VT1.3.6
18900158	VT1.3.7

Microplate Mixer

MX-M
With microplate clamp

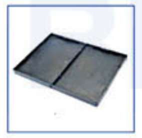
MX-M
with universal top plate and
a tube adapter

Features:

∗ A wide range of speed from 0 to 1500rpm.
∗ Used for various mixing applications with optional adapters.
∗ Maintenance-free brushless DC motor.
∗ When the test tube adapter is selected, it must be matched with PS1.1.

Accessories:

Cat. No: 18900042
PS1.2 Microplate clamp(standard)



Cat. No: 18900079
MXM-116 Double microplate clamps

Cat. No: 18900067
PS1.1 Universal top plate(round), used with tube adapters

Cat. No: 18900020
VT1.3.1 tube adapter for 48 holes test tubes, Ø6mm (0.5ml), used with PS1.1

Cat. No: 18900021
VT1.3.2 tube adapter for 15 holes test tubes, Ø10mm (1.5~2.0ml), used with PS1.1

Cat. No: 18900022
VT1.3.3 tube adapter for 12 holes test tubes, Ø12mm (2~7ml), used with PS1.1

Cat. No: 18900023
VT1.3.4 tube adapter for 8 holes test tubes, Ø16mm (4~15ml), used with PS1.1

Cat. No: 18900024
VT1.3.5 tube adapter for 8 holes test tubes, Ø20mm (20ml), used with PS1.1

Technical Parameters:

Model	MX-M
Item No.	8011202000
Shaking Mode	Orbital
Orbital Diameter	4.5mm
Max. Shaking Weight(with attachments)	0.5kg
Motor Type	DC brushless motor
Motor Input	18W
Motor Output	10W
Speed Range	0~1500rpm (single microplate) ; 0~1000rpm (double microplate)
Speed Display	Scale
Ambient Temp.	5~40℃
Relative Humidity	80%
Protection Type	IP21
Power Consumption	20W
Power Supply	100~240V,50/60Hz
Standard Accessories	18900042
External Size(W*D*H)	260*150*80mm
Package Size(W*D*H)	480*260*250mm
Gross Weight	3kg

Roller Mixer

Roller mixer is used for mixing blood samples, viscous substances and liquid-solid suspensions, prevention of blood coagulation and immune precipitation etc.

MX-T6-S

MX-T6-Pro

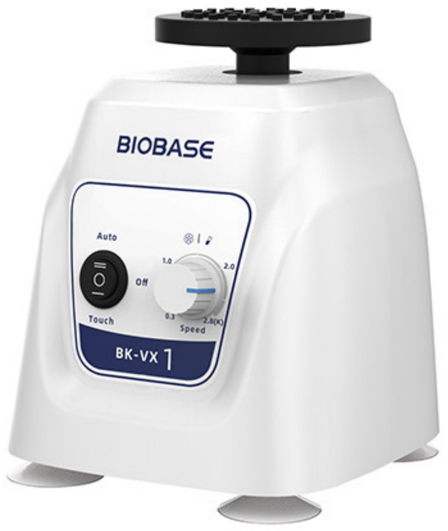
Features:

∗ LCD display indicates the speed and time for MX-T6-Pro.
∗ Speed range of 10-70rpm.
∗ Six roller design for gentle rolling and easy to clean.

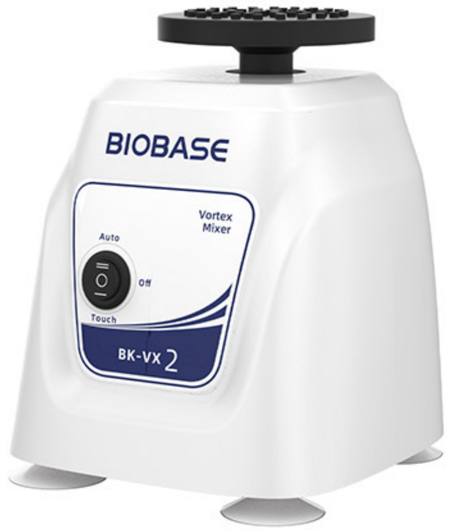
Technical Parameters:

Model	MX-T6-S	MX-T6-Pro
Item No.	8011312000	8011312100
Mixing Mode	Rocking & Rolling	
Speed Range	0~70 rpm	10~70 rpm
Rocking Amplitude	24mm	
Number of Roller	6 pcs	
Roller Length	280mm	
Max. Loading Weight	4kg	
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or timing
Speed Display	Scale	LCD
Timer	/	Yes
Timer display	/	LCD
Motor Type	DC motor	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Power Consumption	25W	30W
Power Supply	100~240V,50/60Hz	
External Size(W*D*H)	450*260*120mm	
Package Size(W*D*H)	595*390*245mm	
Gross Weight	5kg	5kg

Vortex Mixer



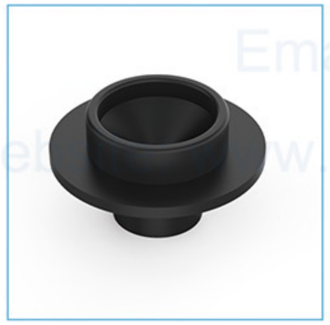
BK-VX1



BK-VX2

BIOBASE
Website: www.biobase.com www.meihuatrade.com

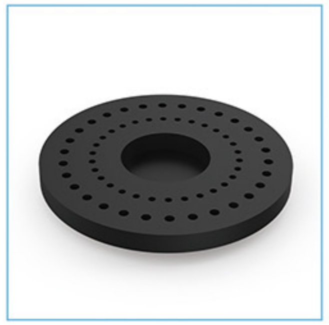
Accessories:



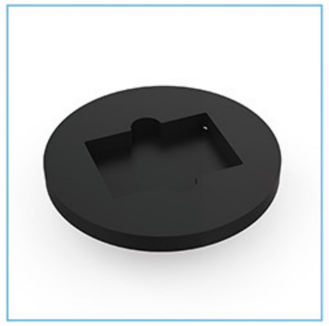
Bowl adapter
50ml tube

Flat type adapter
500ml or 250ml
beaker

Tray type adapter
9*50ml Centrifuge
tube



60 micro tube plate
0.5ml micro tube*30,
1.5ml micro tube*30



Microplate adapter
96-well microtiter
plate

Tray type adapter
11*50ml Centrifuge
tube

Introduction:

The structure of the vortex mixer is simple and reliable, and the instrument has the characteristics of small size, low power consumption, and low noise. It is widely used in biochemistry, genetic engineering, medicine and other fields. It can quickly mix any liquids and powders you need to mix in a high-speed vortex, and the mixing speed is fast, uniform and thorough.

Features:

＊ Shaded pole motor, stepless speed regulation, maximum speed 2800rpm. (for BK-VX1)

＊ Eccentric bearing design, cycloid mixing, uniform and fast mixing.

＊ Suction cup machine feet, suitable for high-speed work.

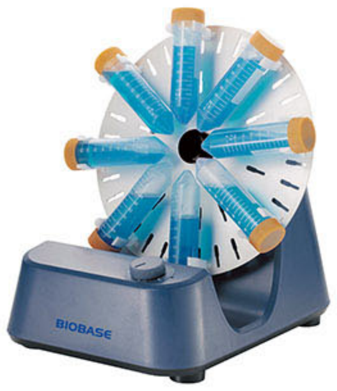
＊ A variety of vibration module adapters to choose from, suitable for a variety of containers.

＊ Jog and continuous operation modes are available.

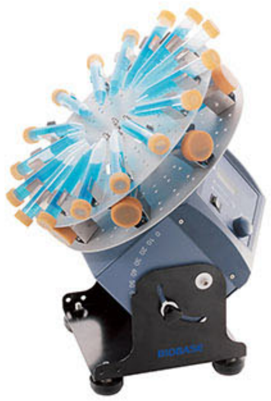
Technical Parameters:

Model	BK-VX1	BK-VX2
Shaking Mode	Orbital	
Orbital Diameter	3mm	
Motor Type	Shaded pole motor	
Speed Range	0~2800rpm	
Operation Mode	Jog, continuous, adjust the speed	Jog, continuous
Rotation Control	Stepless speed regulation	Not adjustable
Power Consumption	40W	
Working Environment	Temperature: 5-40℃; Humidity: ≤80%	
Power Supply	220V, 50/60Hz; 110V,60Hz	
Standard Accessory	Bowl adapter, Flat type adapter	Bowl adapter
Optional Accessory	60 micro tube plate, Microplate adapter, Tray type adapter (9*50ml or 11*50ml)	Flat type adapter
External Size (W*D*H)	152*152*185mm	
Package Size (W*D*H)	250*230*220mm	
Gross Weight	3.8kg	

Rotating Mixer

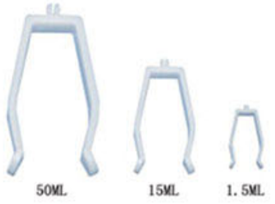


MX-RD-E



MX-RD-Pro

Stainless steel clip
Cat No.: 18900196, for 1.5ml centrifuge tube
Cat No.: 18900197, for 15ml centrifuge tube
Cat No.: 18900198, for 50ml centrifuge tube



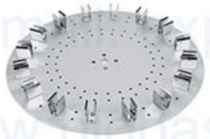
Plastic clip
Cat No.: 18900327, for 1.5ml centrifuge tube
Cat No.: 18900328, for 15ml centrifuge tube
Cat No.: 18900329, for 50ml centrifuge tube

Features:

- ∗ LCD display of speed and time(MX-RD-Pro).
- ∗ Adjustable mixing angle from 0 to 90°(MX-RD-Pro).
- ∗ Material of the plate: Stainless steel with oxidation coating (MX-RD-E), Stainless Steel (MX-RD-Pro).
- ∗ Material of the clip: Plastic (MX-RD-E), Stainless Steel (MX-RD-Pro).
- ∗ Speed range from 10 to 70rpm(MX-RD-Pro).Adjustable speed range from 0 to 80rpm(MX-RD-E).
- ∗ A wide variety of accessories are available.

Accessories for MX-RD-Pro: (Only 18900162 is standard accessory)

Cat. No.: 18900160
Type 1 plate
60*1.5ml centrifuge tube



Cat. No.: 18900161
Type 2 plate
16*15ml centrifuge tube

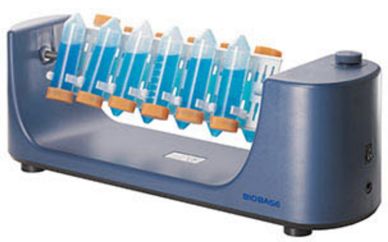
Cat. No.: 18900162
Type 3 plate
8*50ml centrifuge tube

Cat. No.: 18900140
Plate support rods
4pcs in a group, use with plates

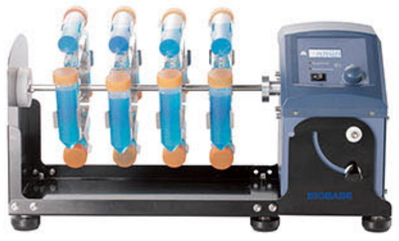
Technical Parameters:

Model	MX-RD-E	MX-RD-Pro
Item No.	8011412000	8011412100
Speed Range	0~80rpm	10~70rpm
Inclining Angle Range	/	0°~90°
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	Scale	LCD
Motor Type	DC motor	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	20W	40W
Power Supply	100~240V,50/60Hz	
Standard Accessories	18900327 and 18900328 and 18900329	18900162
External Size(W*D*H)	220*300*310mm	210*280*300mm
Package Size(W*D*H)	370*450*420mm	370*410*440mm
Gross Weight	5kg	7kg

Vertical Rotating Mixer



MX-RL-E



MX-RL-Pro

Features:

- ∗ Electronic adjustment of speed and time(MX-RL-Pro).
- ∗ LCD display indicates the speed and time for MX-RL-Pro.
- ∗ Speed range from10 to 70rpm(MX-RL-Pro),adjustable speed range from 0 to 80 rpm(MX-RL-E).
- ∗ Material of the tube holder: Stainless steel with oxidation coating (MX-RL-E), Stainless Steel (MX-RL-Pro).
- ∗ Material of the clip: Plastic (MX-RL-E), Stainless Steel (MX-RL-Pro).
- ∗ Three clip sizes are selectable, suit for the tubes: 1.5ml, 15ml, 50ml.
- ∗ A wide variety of accessories are available.

Stainless steel clip
Cat No.: 18900196, for 1.5ml centrifuge tube
Cat No.: 18900197, for 15ml centrifuge tube
Cat No.: 18900198, for 50ml centrifuge tube

50ML
15ML
1.5ML

Plastic clip
Cat No.: 18900327, for 1.5ml centrifuge tube
Cat No.: 18900328, for 15ml centrifuge tube
Cat No.: 18900329, for 50ml centrifuge tube

Optional Tube Holder for MX-RL-Pro: (18900147 or 18900145 can be selected as the standard accessory)

Cat. No.: 18900142
For 48*1.5ml centrifuge tube
Held horizontally

Cat. No.: 18900143
For 24*15ml centrifuge tube
Held horizontally

Cat. No.: 18900144
For 24*50ml centrifuge tube
Held horizontally

Cat. No.: 18900145
For 32*1.5ml centrifuge tube
Held vertically

Cat. No.: 18900146
For 16*15ml centrifuge tube
Held vertically

Cat. No.: 18900147
For 16*50ml centrifuge tube
Held vertically

Technical Parameters:

Model	MX-RL-E	MX-RL-Pro
Item No.	8011402000	8011402100
Speed Range	0~80rpm	10~70rpm
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	Scale	LCD
Motor Type	DC motor	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	20W	40W
Power Supply	100~240V,50/60Hz	
Standard Accessories	18900327 and 18900328 and 18900329	18900147 or 18900145
External Size(W*D*H)	530*150*190mm	510*220*260mm
Package Size(W*D*H)	630*310*380mm	630*310*380mm
Gross Weight	3kg	9kg

Stirrer

Hotplate Magnetic Stirrer

Features of BS-2H/3H:

- ∗ Cast Aluminum with surface spraying plate.
- ∗ Max. Temp.: 380℃, max. speed: 2000rpm.
- ∗ Heating and stirring can proceed simultaneously.
- ∗ Heating power and stirring speed is steplessly adjusted.

BS-2H

BS-3H

Features of BS-4H/4HC:

- ∗ Ceramic plate.
- ∗ PT100 sensor is standard for BS-4HC.
- ∗ With the adjustable rack and stirrer bar.
- ∗ Max. Temp.: 380℃, max. speed: 2000rpm.
- ∗ Heating and stirring can proceed simultaneously.
- ∗ Heating power and stirring speed is steplessly adjusted.
- ∗ Enclosed hot plate with flame protection, fast warm-up and durability.

BS-4H

BS-4HC

Technical Parameters:

Model	BS-2H	BS-3H	BS-4H	BS-4HC
Work Plate Size	120*120mm	170*170mm	190*190mm	
Plate Load(kg)	3	10		
Work Plate Material	Cast Aluminum with surface spraying		Ceramic	
Max. Stirring Capacity	2L	5L		
Speed Range	100~2000rpm		200~2000rpm	
Heating Temp	380℃			350 ℃
Power Consumption	180W	500W	600W	
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	Adjustable rack, stirrer bar; PT100 sensor (only for BS-4HC)			
External Size(W*D*H) mm	200*120*90	265*185*190	320*190*125	
Package Size(W*D*H) mm	250*180*120	280*210*220	390*240*230	
Net Weight(kg)	1.9	2.2	5	
Gross Weight(kg)	3	3.4	6	

Hotplate Magnetic Stirrer

MYP11-2

MYP11-2A

SH05-3G

X85-2

X85-2S

Technical Parameters:

Model	MYP11-2	MYP11-2A	SH05-3G	X85-2	X85-2S
Work Plate Size	φ145mm		φ175mm	φ145mm	
Work Plate Material	Aluminum alloy		Stainless steel	Aluminum alloy	
Max. Stirring Capacity	5L		10L	5L	
Motor Type	Brushless DC motor				
Motor Output	15W			10W	
Speed Range	0~1500rpm				
Digital Display	Speed, temperature, time			/	Speed
Control	Button	Knob + Button	Button	Knob	
Heating Output	600W		800W	600W	
Heating Temp. Range	RT~320℃		RT~250℃	50~300℃	
Temp. Accuracy	±0.5℃		±1℃	/	
Timing Range	1~9999min		1~250min	/	
Power Supply	220V, 50Hz				
External Size(W*D*H) mm	280*160*90		330*190*130	250*150*135	
Package Size(W*D*H) mm	380*300*190		430*330*230	360*290*240	
Gross Weight(kg)	4.5		7	6	

Hotplate Magnetic Stirrer

MS7-H550-Pro

MS7-H550-S

MS-H-ProA

MS-H-Prot
(with timer)

MS-H-S

MS-H280-Pro

Technical Parameters:

Model	MS7-H550-Pro	MS7-H550-S	MS-H-ProA	MS-H-Prot	MS-H-S	MS-H280-Pro
Item No.	8010122111	8010122211	8070226110	8010201110	8010211010	8010101212
Work Plate Size	184*184mm (7 inch)		φ135mm (5 inch)			
Work Plate Material	Glass ceramic		Aluminum	Stainless steel with ceramic coated		
Max. Stirring Capacity	20L	10L	20L			3L
Motor Type	Brushless DC motor	Shaded pole motor	Brushless DC motor			
Motor Input	18W	15W	18W			5W
Motor Output	10W	1.5W	10W			3W
Speed Range	100~1500rpm	0~1500 rpm	100~1500rpm		0~1500rpm	200~1500rpm
Speed Display	LCD	Scale	LCD		Scale	LED
Speed Display Accuracy	±1rpm	/	±1rpm			±1rpm
Heating Output	1000W		600W	500W		
Heating Temp. Range	RT-550℃, increment 1℃	RT-550℃, increment 5℃	RT-340℃, increment 1℃		RT~340℃	RT-280℃, increment 1℃
Control Temp. Accuracy	±1℃(<100℃) ±1%(>100℃)	±10℃	±1℃(<100℃) ±1%(>100℃)		/	±1℃(<100℃) ±1%(>100℃)
Overheating Protection	580℃		420℃			320℃
Temp. Display	LCD	LED	LCD		Scale	LED
Display Temp. Accuracy	±0.1℃	±1℃	±0.1℃		/	±1℃
Timing Range	/			1~99h59min	/	
Optional Accessory	PT1000 (accuracy ±0.2℃)				/	PT1000 (accuracy ±0.5℃)
Residual Heat Warning	50℃				/	50℃
Max. Stirrer Bar Length	80mm					50mm
Interface	RS232	/	RS232		/	/
Protection Type	IP21		IP21	IP42		IP21
Working Environment	5-40℃, 80%RH					
Power Consumption	1050W	1030W	650W	550W	530W	515W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)					
External Size(W*D*H)	215*360*112mm		160*280*100mm	160*280*85mm		150*260*80mm
Package Size(W*D*H)	500*360*270mm		470*260*250mm			310*250*230mm
Gross Weight	7kg		5kg			4kg

Magnetic Stirrer

MS-S

MS-PA

MS-PB

Technical Parameters:

Model	MS-S	MS-PA	MS-PB
Work Plate Size	φ135mm (5 inch)		
Item No.	8010211000	8010284200	8010294000
Work Plate Material	Stainless steel with ceramic coated	Nylon + GF	
Max. Stirring Capacity	20L	3L	
Motor Type	Brushless DC motor		
Motor Input	18W	5W	
Motor Output	10W	3W	
Speed Range	0~1500rpm		
Speed Display	Scale	LED	Scale
Max. Stirrer Bar Length	80mm	50mm	
Working Environment	5~40℃, 80%RH	10-40℃,80%RH	
Protection Type	IP42		
Power Consumption	30W	15W	10W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)		
External Size(W*D*H)	160*280*85mm	150*260*80mm	
Package Size(W*D*H)	480*260*250mm	310*250*230mm	
Gross Weight	4kg	3kg	

Optional Accessories:

		Stirrer bars and bar remover(PTFE), use below 150℃		
		Models		
		MS7-H550-Pro MS7-H550-S MS-H-ProA MS-H-Prot MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10
Cat. No.	Size of magnetic bars (L*Ø) mm	Suitable for Max. magnetic bar 80mm	Suitable for Max. magnetic bar 50mm	Suitable for Max. magnetic bar 40mm
18900006	10*6	√	√	√
18900007	15*8	√	√	√
18900008	20*8	√	√	√
18900009	25*8	√	√	√
12500005	30*6	√	√	√
18900011	40*8	√	√	√
12500004	50*8	√	√	/
18900013	65*8	√	/	/
18900014	80*13	√	/	/
18900015	Magnetic bar remover, length of 200mm	/	√	/

Cat. No.	18900019	18900016	18900136	18900017	18900540
Descriptions	F101 protective cover, for hotplate models, temperature resistance of 135°C	PT1000-A, temperature sensor for digital hotplate models, length of 230mm	PT1000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models	Support clamp of PT1000	Support clamp of PT1000, use with MS-H280-Pro
Model					
MS7-H550-Pro	/	√	√	√	/
MS7-H550-S	/	√	√	√	/
MS-H-ProA	√	√	√	√	/
MS-H-Prot	/	√	√	√	/
MS-H-S	√	/	/	/	/
MS-H280-Pro	/	√	√	/	√

Cat. No.	18900001	18900065	18900002	18900003	18900004	18900005	18900048	18900049	18101006	18101007	18101008	18101009
Descriptions	Blue carrying plate, use with color quarter pies	Blue Fixed ring, use with color quarter pies	Red quarter pie, 11 holes, 4 ml reaction vessel, Ø15.2mm, 20mm depth	Purple quarter pie, 4 holes, 20 ml reaction vessel, Ø28mm, 24mm depth	Blue quarter pie, 4 holes, 30ml reaction vessel, Ø28mm, 30mm depth	Black quarter pie, 4 holes, 40ml reaction vessel, Ø28mm, 43mm depth	Green quarter pie, 6 holes, 8ml reaction vessel, Ø17.8mm, 26mm depth	Golden quarter pie, 4 holes, 16ml reaction vessel, Ø21.6mm, 31.7mm depth	Reaction block for 50ml round bottom flask (one flask capacity)	Reaction block for 100ml round bottom flask (one flask capacity)	Reaction block for 250ml round bottom flask (one flask capacity)	Reaction block for 500ml round bottom flask (one flask capacity)
Magnetic hotplate stirrers are available to hold quarter color pies(volume range from 4mL to 16mL) and reaction blocks (volume range from 50mL to 2000mL), which ensure uniform heating distribution and excellent resistance to chemicals. The color pies and blocks with aluminum material which are easy to clean and safety for lab.												
Model												
MS7-H550-Pro	/	/	√	√	√	√	√	√	/	/	/	/
MS7-H550-S	/	/	√	√	√	√	√	√	/	/	/	/
MS-H-ProA	√	√	√	√	√	√	√	√	√	√	√	√
MS-H-Prot	/	/	/	/	/	/	/	/	/	/	/	/
MS-H-S	/	/	/	/	/	/	/	/	/	/	/	/
MS-H280-Pro	/	/	/	/	/	/	/	/	√	√	√	√

Magnetic Stirrer

98-2

H03-A

85-1

85-2A

90-1

H01-2

90-1B

96-1

Technical Parameters:

Model	98-2	H03-A	85-1	85-2A	90-1	90-1B	96-1	H01-2
Work Plate Material	Stainless steel							
Max. Stirring Capacity	10L		3L	5L	20L		50L	
Motor Type	Brushless DC motor							
Speed Range	0~2000rpm		0~1500rpm	0~2000rpm	0~2000rpm		0~1400rpm	
Digital Display	/	Speed	/	/	/	Speed	/	Speed
Control	Knob							
Motor Power	15W		8W	10W	40W		100W	
Power Supply	220V, 50Hz							
External Size(W*D*H)mm	260*160*85	210*210*85	210*130*65	245*145*100	305*300*105		410*400*115	
Package Size(W*D*H)mm	450*300*250	400*400*250	400*260*215	380*300*220	510*430*250		550*550*220	
Gross Weight(kg)	8	7.5	5.5	7.5	10		20	

Multi-Position Magnetic Stirrer

MS-M-S10

MS-H-S10

84-1(4 positions)

524G

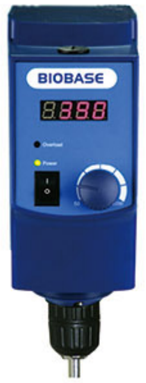
84-1(6 positions)

H01-1D

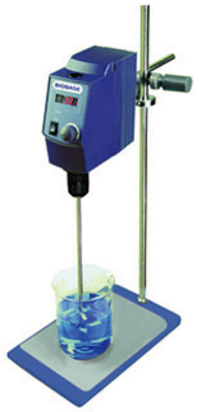
Technical Parameters:

Model	MS-M-S10 (8010140000)	MS-H-S10 (8010140013)	84-1 (4 positions)	84-1 (6 positions)	524G	H01-1D
Work Plate Size	180*450mm		290*280mm	420*300mm	φ145mm	
Work Plate Material	Stainless steel with silicone film		Stainless steel		Aluminum alloy	Stainless steel
Max. Stirring Capacity	0.4L*10	0.4L*10	1.5L*4	1.5L*6	3L*4	3L*6
Motor Type	Brushless DC motor					
Speed Range	0~1100rpm		0~1500rpm		0~1400rpm	0~1500rpm
Digital Display	/		Speed		Speed, Temperature, Time	
Control	Scale		Knob		Button	Knob
Heating Output	/	470W	/		4*600W	6*360W
Heating Temp. Range	/	RT~120℃	/		RT~150℃	
Working Environment	5~40℃, 80%RH					
Power Supply	AC110/220V±10%, 50/60Hz		220V, 50Hz			
External Size(W*D*H)	210*630*65mm		290*280*80mm	420*300*80mm	380*380*145mm	1005*230*130mm
Package Size(W*D*H)	700*420*270mm		540*350*180mm	670*380*180mm	520*520*240mm	1130*400*270mm
Gross Weight	7.5kg		8kg	12kg	15kg	35kg

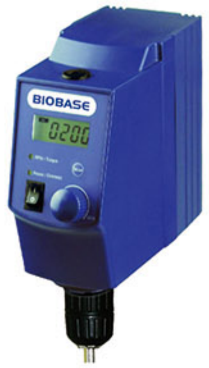
Overhead Stirrer



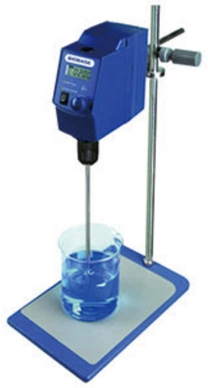
OS40-S/OS20-S
LED Overhead Stirrer



OS40-S/OS20-S
with universal plate stand



OS40-Pro/OS20-Pro
LCD Overhead Stirrer



OS40-Pro/OS20-Pro
with universal plate stand

Technical Parameters:

Model	OS40-S	OS20-S	OS40-Pro	OS20-Pro
Item No.	8013200200	8013100200	8013200100	8013100100
Max. Stirring Capacity	40L	20L	40L	20L
Motor Input	120W	60W	120W	60W
Motor Output	100W	50W	100W	50W
Speed Range	50~2200rpm			
Speed Control Accuracy	/		±3rpm	
Speed Display	LED		LCD	
Max. Torque	60N•cm	40N•cm	60N•cm	40N•cm
Torque Display	/		LCD	
Overload Protection	Visual alarm, motor automatic stop			
Overload protection display	/	/	LCD	
Max. Viscosity	50000mPa·s	10000mPa·s	50000mPa·s	10000mPa·s
Chuck Diameter Range	0.5~10mm			
Protection Type	IP21			
Working Environment	5~40℃, 80%RH			
Interface	/		RS232	
Power Consumption	130W	70W	130W	70W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)			
Standard Accessory	Propeller stirrer 18900071		Universal plate stand 18900605, Propeller stirrer 18900071	
External Size(W*D*H)	83*186*220mm			
Package Size(W*D*H)	Main body & Stirrer: 480*380*450mm		Main body & Stirrer: 480*380*450mm Universal plate stand:800*360*130mm	
Gross Weight	Main body & Stirrer: 6kg		Main body & Stirrer: 6kg Universal plate stand: 8kg	

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Optional Accessories:

Cat. No.	18900605	18900071	18900072
Descriptions	Universal plate stand (W*D: 20*31cm), including support holder (H: 78cm) and fixing device	Propeller stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel Standard stirring element, used at medium and high speeds	Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel Suitable for mixing of low viscosity media, used at medium and high speeds
Cat. No.	18900073	18900074	18900075
Descriptions	Paddle stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds	Propeller stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated Standard stirring element, used at medium and high speeds
Cat. No.	18900076	18900077	18900078
Descriptions	Straight stirrer, shaft length 35cm,stirrer diameter 7cm, PTFE coatedSuitable for mixing of low viscosity media, used at medium and high speeds	Paddle stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds

Cat. No.	18900478	18900498	18900499	18900500
Descriptions	Crossed stirrer, shaft length 60cm,stirrer diameter 10cm, 316L stainless steel	Straight stirrer, shaft length 60cm,stirrer diameter 10cm, 316L stainless steel	Blade stirrer, shaft length 60cm,stirrer diameter 10cm, 316L stainless steel	Centrifugal stirrer, shaft length 60cm,stirrer diameter 10cm, 316L stainless steel

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Hot Plate

Ceramic Hot Plate

Features:

- ∗ PID controller
- ∗ Totally enclosed ceramic heating plate, with halogen-light, heating up fast, safe and reliable.

Technical Parameters:

Model	CH-300	CH-400
Plate Size	300*200mm	400*280mm
Max. Temperature	450°C	
Material(Main body)	Cold-rolled steel with anti-bacteria powder coating	
Work Plate Material	Ceramic	
Power Supply	AC220V,50/60Hz	
Consumption	1800W	2200W
External Size(W*D*H)mm	350*340*188	450*420*188
Package Size(W*D*H)mm	490*445*310	590*525*315
Gross Weight(kg)	18	19

Graphite Hot Plate

Features:

- ∗ PID controller
- ∗ Totally enclosed high purity graphite, keeps temperature uniformity
- ∗ Double shell design, with anti-corrosion power coating, keeps the normal work of the instrument in acid environment.

Technical Parameters:

Model	GH-300	GH-400	GH-450	GH-600
Plate Size	300*200mm	400*280mm	450*350mm	600*400mm
Range of Temperature	RT+10 ～ 450°C			
Temperature Control Accuracy	±0.1°C			
Material(Hot plate)	Graphite with anti-bacteria powder coating			
Temp. Fluctuation Degree	±1.0°C			
Power Supply	AC220V,50/60HZ			
Consumption	1000W	1500W	2000W	3000W
External Size(W*D*H)mm	300*275*210	400*355*230	450*425*230	600*475*230
Package Size(W*D*H)mm	350*330*260	520*450*345	570*520*345	740*580*345
Gross Weight(kg)	10	15	17	28

Glass Ceramic Hot Plate

Features:

- ∗ LED display.
- ∗ Totally enclosed glass ceramic heating plate, provides chemical-resistant and most efficient heat transfer.
- ∗ Separate safety circuits with fixes safety temperature of 580℃.
- ∗ External temperature control is possible by connecting the temperature sensor (PT 1000) with and accuracy at ±0.5℃.
- ∗ Alarm: The HOT warning will flash when the heating plate temperature is over 50℃, even the heating plate is turn off.

Technical Parameters:

Model	HP550-S
Item No.	5011122211
Plate Size	184*184mm (7 inch)
Heating Temperature Range	Room temp.-550°C,increment 5°C
Heating Accuracy	±10°C
Heating Position	1
Material(Main body)	Glass ceramic
Protection Warning	50℃
Protection Type	IP21
Power Supply	AC110/220V±10%; 50/60Hz (Customizable)
Power	1010W
Heating Power	1000W
Working Environment	5-40℃,80%RH
External Size(W*D*H)	215*360*112mm
Package Size(W*D*H)	500*360*270mm
Gross Weight	7kg

Aluminum/Ceramic Hot Plate

AH-120E

AH-170E

CH-190E

AH-400/600D

AH-400/600E

Features:

- ∗ LED display (AH-400D/AH-600D)
- ∗ Heating can proceed simultaneously
- ∗ Enclosed hot plate with flame protection, fast warm-up and durability

Technical Parameters:

Model	AH-120E	AH-170E	CH-190E	AH-400E/D	AH-600E/D
Plate Size	120*120mm	170*170mm	190*190mm	400*400mm	400*600mm
Max. Temperature	RT~380℃			RT~350℃	
Work Plate Material	Aluminum		Ceramic	Aluminum	
Power Supply	AC110/220V±10%, 50/60Hz			AC220V±10%,50/60Hz	
Consumption	180W	500W	600W	2000W	3000W
External Size(W*D*H)mm	200*120*90	265*185*190	320*190*125	400*400*180	400*600*180
Package Size(W*D*H)mm	250*180*190	280*210*220	390*240*230	450*470*220	470*650*220
Gross Weight(kg)	3	3.4	6	9.8	14.2

Electronic & Digital Hot Plate

Application:

It applies in drying articles in chemical analysis, physical determination, heat treatment and other temperature experiments in laboratories of industrial mining enterprise, medicine and health, environmental protection, biochemistry and scientific research and college labs etc.

Electronic Hot Plate(SSH-E Series)

Digital Hot Plate (SSH-D Series)

Features:

∗ PID controller

∗ Totally enclosed high quality stamping cold-rolled steel heating plate, with no open fire.

∗ SSH-E type, adopts electric temperature control, could adjust temperature.
SSH-D type, with LED display, easy to observe and control temperature.

∗ Control style: SSH-E electric type SSH-D digital type.

Technical Parameters:

Model	SSH-E400	SSH-E450	SSH-E600	SSH-D400	SSH-D450	SSH-D600
Plate Size	400*280mm	450*350mm	600*400mm	400*280mm	450*350mm	600*400mm
Range of Temperature	RT+20~380°C					
Material (Main body)	Cold-rolled steel with anti-bacteria powder coating					
Work Plate Material	Stainless steel					
Power Supply	AC220V,50/60HZ					
Consumption	1500W	2000W	3000W	1500W	2000W	3000W
Package Size(W*D*H)mm	450*340*290	500*400*290	650*460*290	450*340*290	500*400*290	650*460*290
Gross Weight(kg)	16	22	30	16.5	21.5	30

Heating Mantle

Several Rows Electronic Control Heating Mantles

HMD-III(LED Display)

HME-III

Features:

∗ Corrosion-resisting and ageing-resistant

∗ The internal heater is in hemisphere shape with high efficiency.

∗ The external material is cold-rolled steel with anti-bacteria powder coating.

∗ It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.

Technical Parameters:

Model	Rows	Capacity (ml)	Max. Use Temp.	Working Time	Consumption(W)	Power Supply	External Size (W*D*H) mm	Packing Size (W*D*H) mm	Net Weight	Gross Weight
HME-III / HMD-III (LED Display)	Two rows	100	380°C	Continuous	200	AC110/ 220V± 10%, 50/60Hz	280*290*150	375*385*245	4kg	7kg
		250			360		280*290*150	375*385*245	4kg	7kg
		500			500		320*320*155	415*415*245	5kg	8kg
		1000			600		390*355*150	485*450*245	7kg	10kg
	Four rows	100			400		550*290*150	645*385*245	8kg	11kg
		250			720		550*290*150	645*385*245	8kg	11kg
		500			1000		635*315*150	730*410*245	10kg	13kg
		1000			1200		780*350*150	875*445*245	14kg	17kg
	Six rows	100			600		830*295*150	925*390*245	12kg	17kg
		250			1080		830*295*150	975*440*245	13kg	18kg
		500			1500		950*310*150	1045*405*245	14kg	19kg
		1000			1800		1170*355*150	1670*450*245	20kg	23kg

Electronic & Digital Heating Mantles

HMD-I

HME-I

Features:

∗ Corrosion-resisting and ageing-resistant.
∗ The internal heater is in hemisphere shape with high efficiency.
∗ The external material is cold-rolled steel with anti-bacteria powder coating.
∗ It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.

Technical Parameters:

Model	HME-I / HMD-I(LED Display)									
Capacity(ml)	100	250	500	1000	2000	3000	5000	10000	20000	50000
Max. Temp.	380℃									
Working Time	Continuous									
Consumption	100W	180W	250W	300W	500W	600W	1000W	1500W	2500W	6000W
Power Supply	AC220/110V±10%, 50/60Hz									
Internal Size (mm)	Φ70*40	Φ95*50	Φ150*50	Φ150*70	Φ180*80	Φ200*100	Φ245*150	Φ310*175	Φ380*190	Φ480*270
External Size (W*D*H)	200*215*150mm			240*260 *170mm	285*300 *200mm	355*300 *240mm	415*370 *270mm	480*430 *300mm	540*530 *280mm	665*450 *550mm
Packing Size (W*D*H)	260*265*237mm			250*70 *190mm	300*310 *210mm	300*310 *245mm	370*380 *285mm	500*440 *320mm	560*560 *290mm	775*775 *560mm
Net Weight	1.7kg	1.8kg	1.8kg	2.7kg	4kg	4.5kg	7kg	10kg	13kg	53kg
Gross Weight	3.5kg	2kg	2kg	4kg	5.5kg	6kg	9kg	13kg	15kg	68kg

Electronic & Digital Magnetic Stirring Heating Mantles

HMD-II

HME-II

Features:

∗ The internal heater is in hemisphere shape with high efficiency.
∗ The external material is cold-rolled steel with anti-bacteria powder coating.
∗ Stepless speed adjustment, uniform temperature, easy to operate with effective use.
∗ It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.
∗ Stable precise stirring to liquid solution is within a wider speed scope, especially in the experiments of samples with small volume.

Technical Parameters:

Model	HME-II / HMD-II(LED Display)				
Capacity(ml)	100	250	500	1000	2000
Max Use Temp.	380°C				
Speed	0~1200rpm				
Working Time	Continuous				
Max Use Temp.	380°C				
Consumption	100W	180W	250W	300W	500W
Power Supply	AC220/110V±10%, 50/60Hz				
Internal Size(mm)	Φ70*50	Φ90*60	Φ105*65	Φ135*80	Φ175*95
External Size(W*D*H)	220*195*165mm	220*195*165mm	220*195*165mm	280*260*205mm	320*300*215mm
Packing Size(W*D*H)	295*290*255mm	290*285*250mm	295*290*255mm	350*345*305mm	385*380*340mm
Net Weight	3kg	3kg	4kg	4kg	5kg
Gross Weight	4kg	4kg	5kg	6kg	7kg

PH Meter

Pocket pH /°C/°F Tester

PH-40

PH-10F/S

PH-20F/S

PH-30F/S

PH-10L

PH-20L

PH-30L

Application:

- ∗ PH-10S, 20S, 30S: suitable for measuring the liquids.
- ∗ PH-10F, 20F, 30F: suitable for measuring the semisolid substances.
- ∗ PH-10L, 20L, 30L: suitable for measuring the small volume samples.
- ∗ PH-40 is suitable for connecting with the various pH electrodes.

PH-10/20 Features:

- ∗ 2 points push-button calibration with auto-buffer recognition.
- ∗ Hold function freezes current measured value for easy viewing and recording.
- ∗ Auto-Power Off helps user effectively conserve battery life.
- ∗ Replaceable electrode module reduces maintenance and replacement cost.

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pH
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Waterproof

PH-30/40 Features:

- ∗ BNC connector is easy to connect a variety of pH electrodes (Only for PH-40).
- ∗ 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- ∗ Automatic temperature compensation ensures accurate readings over the entire range (Only for PH-30); Manual temperature compensation provides a wide range of temperature input (Only for PH-40).
- ∗ Auto-Read function senses and locks the measurement endpoint
- ∗ Setup menu allows setting the pH buffer set, number of calibration points, temperatureunit, auto-power off, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults.

Replaceable pH Electrodes:

PH-S

Circular pH-sensitive membrane
Suitable for measuring the liquids

PH-F

Flat surface pH-sensitive membrane
Suitable for measuring the semisolids

PH-L

Flat surface pH-sensitive membrane
Suitable for measuring the small volume samples

Accessories:

pH buffer pouches (pH4.01/7.00/10.01), batteries, plastic box or carrying case.

Technical Parameters:

Model		PH-10S/F/L	PH-20S/F/L	PH-30S/F/L	PH-40
pH	Range	0.0~14.0pH		-1.00~15.00pH	
	Accuracy	±0.1pH	±0.05pH	±0.01pH	
	Calibration Points	2 points	1~3 points		
	pH Buffer Options	USA (pH4.01/7.00/10.01)	USA (pH4.01/6.86/7.00/9.18/10.01)		
Temperature	Range	/	0~60°C	0~60°C/32~140°F	0~100°C/32~212°F
	Resolution	/	1°C	0.1°C/0.1°F	0.5°C/0.5°F
	Accuracy	/	±1°C	±1°C/±1.8°F	/
	Offset Calibration	/	/	1 point, reading ±10°C	/
Other Specifications	Temp.Compensation	/	0~60°C, Automatic		0~100°C, Manual
	Hold Function	Manual		Manual or Auto-endpoint	
	Auto-Off	8 minutes after last key pressed			
	Operating Temperature	0~50°C			
	Display	Single-line LCD (21*21mm)		Dual-line LCD (21*21mm)	
	Connector	6-pin			BNC
	Power Requirements	3*1.5V LR44 micro alkaline batteries		2*1.5V AAA batteries	
	Battery Life	Approximately 150 hours of continuous use		Approximately 200 hours of continuous use	
	Dimensions (L*D) mm	185 (L) *40 (Dia.)			175 (L)*40 (Dia.)
	Package Size (W*D*H) mm	325*140*270			
	Net Weight(g)	100g			
	Gross Weight(kg)	1kg			

Portable pH/ORP Meter

PH-220

PH-221

Measurement Parameters:

PH-220: pH, mV, temperature

PH-221: pH, mV, relative mV, temperature

PH-220 Features:

∗ 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
∗ Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
∗ Automatic temperature compensation ensures accurate readings over the entire range.
∗ Auto-Read function senses and locks the measurement endpoint.
∗ Setup menu allows setting the pH buffer set, number of calibration points, temperatureunit, auto-power off, etc.
∗ Reset function automatically resumes all settings back to the factory defaults.
∗ Expanded memory stores or recalls up to 100 data sets.
∗ USB communication interface for data transfer or connecting a power adapter to meter .

PH-221 Features:

pH
∗ 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
∗ Automatic electrode diagnosis shows the pH slope and offset.
∗ Automatic temperature compensation ensures accurate readings over the entire range.
∗ Calibration due alarm prompts user to calibrate the meter regularly.
ORP
∗ 1 point offset calibration allows adjusting the displayed value to a known standard
∗ Relative and absolute millivolt modes ensure the reliable ORP measurements
General Features
∗ Auto-Read function senses and locks the measurement endpoint
∗ Auto-Power Off effectively conserves battery life
∗ Setup menu allows setting the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
∗ Reset function automatically resumes all settings back to the factory defaults
∗ Expanded memory stores or recalls up to 500 data sets
∗ USB communication interface is easy to transfer data to PC
∗ Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly

Accessories:

∗ PH electrode ∗ Temperature probe ∗ PH buffer solutions (pH4.01/7.00/10.01) ∗ Carrying case

Technical Parameters:

Model		PH-220	PH-221
pH	pH Range	-2.00~20.00pH	-2.000~20.000pH
	pH Accuracy	±0.01pH	±0.002pH
	Resolution	0.01pH	0.1, 0.01, 0.001pH, Selectable
	Calibration Points	1 to 3 points	1 to 5 points
	pH Buffer Options	USA (4.01/7.00/10.01), NIST (4.01/6.86/9.18)	USA (pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75) or 2 custom buffers
ORP	mV Range	-1999~1999mV	-1999.9~1999.9mV
	mV Accuracy	±1mV	±0.2mV
	Resolution	1mV	0.1, 1mV, Selectable
	Calibration Points	/	1 point
Temperature	Temperature Range	0~105°C/32~221°F	
	Temperature Accuracy	±0.5°C/±0.9°F	
	Resolution	0.1°C/0.1°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Slope/Offset Display	Yes	
	Hold Function	Manual or auto-endpoint	
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	
	Connector	BNC, 3.5 mm jack socket	
	Display	Custom LCD (80 × 60 mm)	
	Power Requirements	3*1.5V AA batteries or DC5V power adapter	
	Battery Life	Approximately 150 hours (Turn off the backlight)	
	Dimensions(W*D*H)	170*85*30mm	
	Package Size(W*D*H)	475*155*350mm	
	Net Weight	300g	
	Gross weight	2kg	

Portable pH/Ion Meter

7.000
25.0
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PH-320

0.000
25.0
BIOBASE

PH-321

Measurement Parameters:

PH-320: pH, mV, relative mV, ion concentration, temperature

PH-321: Ion concentration, mV, temperature

Features:

pH

∗ 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
∗ Automatic electrode diagnosis shows the pH slope and offset.

ORP

∗ 1 point offset calibration allows adjusting the displayed value to a known standard.
∗ Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration

∗ 2 to 5 points calibration, including the 8 concentration points can be selected.
∗ Direct ion concentration readout simplifies the measurement process.
∗ Automatic electrode diagnosis shows the calibration points and slopes.
∗ Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

General Features:

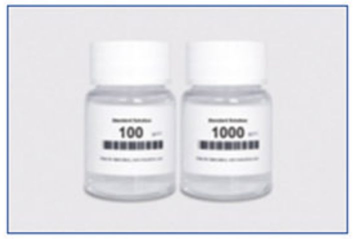
∗ Automatic temperature compensation ensures accurate readings over the entire range.
∗ Auto-Read function senses and locks the measurement endpoint.
∗ Calibration due alarm prompts user to calibrate the meter regularly.
∗ Auto-Power Off effectively conserves battery life.
∗ Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
∗ Reset function automatically resumes all settings back to the factory defaults.
∗ Expanded memory stores or recalls up to 500 data sets.
∗ USB communication interface is easy to transfer data to PC.
∗ Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Optional Ion Selective Electrodes:

Ammonium (NH4+), bromide (br -), cadmium (Cd2+), calcium (Ca2+), chloride (Cl-), cupric (Cu2+), cyanide (Cn -), fluoride (F-), Iodide (I-), lead (Pb2+), nitrate (NO3 -), potassium (K+), silver (Ag+), sodium (Na +), sulphide (S2-) and ammonia (NH3)

Accessories:

∗ PH electrode ∗ Temperature probe ∗ PH buffer solutions (pH4.01/7.00/10.01) ∗ Carrying case



Technical Parameters:

Model		PH-320	PH-321
pH	pH Range	-2.000~20.000pH	/
	pH Accuracy	±0.002pH	/
	Resolution	0.1, 0.01, 0.001pH, Selectable	/
	Calibration Points	1~5 points	/
	pH Buffer Options	USA (pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75) or 2 custom buffers	/
ORP	mV Range	-1999.9~1999.9mV	
	Relative mV Range	-1999.9~1999.9mV	/
	mV Accuracy	±0.2mV	
	Resolution	0.1, 1mV, Selectable	
	Calibration Points	1 point (Only for Relative mV mode)	/
Ion	Ion Concentration Range	0.001~19999ppm, mg/L, mol/L (Refer to the range of ISE)	
	Ion Concentration Accuracy	±0.5% F.S (Monovalent),±1% F.S (Divalent)	
	Calibration Points	2~5 points	
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000(ppm, mg/L, mol/L)	
Temperature	Temperature Range	0~105°C/32~221°F	
	Temperature Accuracy	±0.5°C/±0.9°F	
	Resolution	0.1°C/0.1°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	
	Stability Criteria	Low or high	
	Calibration Due Alarm	1 to 31 days or off	
	Slope/Offset Display	Yes	
	Hold Function	Manual or auto-endpoint	
	Auto-Off	10, 20 or 30 minutes after last key pressed	
	Memory	500 data sets	
	Communication Interface	USB	
	Connector	BNC, 3.5 mm jack socket	
	Display	Custom LCD (80*60 mm)	
	Power Requirements	3*1.5V AA batteries or DC5V power adapter	
	Battery Life	Approximately 150 hours (Turn off the backlight)	
	Dimensions(W*D*H)	170*85*30mm	
	Package Size(W*D*H)	475*155*350mm	
	Net Weight	300g	
	Gross weight	2kg	

Benchtop pH Meter

PHS-25CW/3BW

PH-210

PHS-25CW/3BW Features:

- ∗ Economical benchtop pH meter is equipped with a white backlit LCD display.
- ∗ Automatic electrode slope display helps user decide whether to replace sensor.
- ∗ Automatic Temperature Compensation ensures accurate measuring result.
- ∗ 2 points push-button calibration with auto-buffer recognition.

PH-210 Features:

- ∗ 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- ∗ Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
- ∗ Automatic temperature compensation ensures accurate readings over the entire range.
- ∗ Auto-Read function senses and locks the measurement endpoint.
- ∗ Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults .

Accessories:

- ∗ PH electrode.
- ∗ Temperature probe (Only for PHS-3BW and PH-210 meter).
- ∗ PH buffer pouches (pH4.01/7.00/10.01).
- ∗ DC9V power adapter.

Technical Parameters:

Model		PHS-25CW	PHS-3BW	PH-210
pH	pH Range	0.00~14.00pH	0.00~14.00pH	-1.00~15.00pH
	pH Accuracy	±0.05pH	±0.01pH	±0.01pH
	Resolution	0.01pH	0.01pH	0.01pH
	Calibration Points	2 points	2 points	1~3 points
	Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH4.01 /7.00/10.01)	USA (pH4.01/7.00 /10.01), NIST (pH4.01/6.86/9.18)
ORP	MV Range	-1999~1999mV	-1999~1999mV	-1999~1999mV
	MV Accuracy	±10mV	±1mV	±1mV
	Resolution	1mV	1mV	1mV
Temperature	Temperature Range	/	0~100°C	0~105°C, 32~221°F
	Temperature Accuracy	/	±1°C	±1°C/±1.8°F
	Resolution	/	1°C	0.1°C/0.1°F
	Offset Calibration	/	/	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~100°C, Manual	0~100°C, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic
	Hold Function	/	/	Manual or auto-endpoint
	Connector	BNC, 3.5 mm jack socket		BNC, 3.5 mm jack socket
	Display	Custom LCD		Custom LCD (120*60 mm)
	Power Requirements	DC9V/400mA power adapter		
	Dimensions(mm)	210*205*65		210*205*75
	Net Weight(kg)	1.5		
	Package Size(W*D*H)mm	310*240*180		
	Gross weight(kg)	1.7		

Benchtop pH/ORP/Ion Meter

PH-920

PH-930

pH:

- ∗ 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- ∗ Automatic electrode diagnosis shows the pH slope and offset.
- ∗ Automatic temperature compensation ensures accurate readings over the entire range.
- ∗ Calibration due alarm prompts user to calibrate the meter regularly.

ORP:

- ∗ 1 point offset calibration allows adjusting the displayed value to a known standard.
- ∗ Relative and absolute millivolt modes ensure the reliable ORP measurements.Ion Concentration(For PH-930).
- ∗ 2 to 5 points calibration, including the 8 concentration points can be selected.
- ∗ Direct ion concentration readout simplifies the measurement process.
- ∗ Automatic electrode diagnosis shows the calibration points and slopes.
- ∗ Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

General Features

- ∗ Auto-Read function senses and locks the measurement endpoint.
- ∗ Setup menu allows setting the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults.
- ∗ Expanded memory stores or recalls up to 500 data sets.
- ∗ USB communication interface for data transfer and timed interval readings.

Accessories:

E201-BNC plastic body pH electrode, temperature probe, pH buffer sachets, electrode holder, DC5Vpower adapter.

Technical Parameters:

Model		PH-920	PH-930
PH	Range	-2.000~20.000pH	
	Accuracy	±0.002pH	
	Resolution	0.1, 0.01, 0.001pH, Selectable	
	Calibration Points	1~5 points	
	Calibration Solutions	USA, NIST, DIN, 2 custom buffers	
ORP	MV Range	±1999.9mV	
	Relative mV Range	±1999.9mV	
	Resolution	0.1, 1mV, Selectable	
	MV Accuracy	±0.2mV	
	Calibration Points	1 point	
Ion	Range	/	0.001~19999ppm, mg/L, mol/L (deponding on the range of ISE)
	Resolution	/	0.001, 0.01, 0.1, 1
	Accuracy	/	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
	Measurement Units	/	ppm, mg/L, mol/L, mmol/L
	Calibration Points	/	2 to 5 points
	Calibration Solutions	/	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000
Temperature	Range	0~105°C/32~221°F	
	Resolution	0.1°C/0.1°F	
	Accuracy	±0.5°C/±0.9°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Temperature Compensation	0~100°C, Manual or Automatic	
	Stability Criteria	Low or high	
	Calibration Due Alarm	1 to 31 days or off	
	Slope/Offset Display	Yes	
	Hold Function	Manual or auto-endpoint	
	Memory	500 data sets	
	Communication Interface	USB	
	Connector	BNC, 3.5mm jack socket	
	Display	Custom LCD (125*100mm)	
	Power Requirements	DC5Vpower adapter	
	Dimensions(mm)	210*188*60mm	
	Weight(kg)	1.5kg	
	Package Size(W*D*H)mm	310*240*180mm	
	Gross weight(kg)	1.7kg	

Portable Conductivity/TDS/Salinity Meter

PH-520/530/531/540

PH-520 Features:

- ＊ 1 to 3 points calibration with automatic recognition for conductivity standards.
- ＊ Automatic electrode diagnosis shows the calibration points and factors .
- ＊ Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes.
- ＊ Automatic temperature compensation ensures accurate readings over the entire range.
- ＊ Auto-Read function senses and locks the measurement endpoint.
- ＊ Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.
- ＊ Reset function automatically resumes all settings back to the factory defaults.
- ＊ Expanded memory stores or recalls up to 100 data sets.
- ＊ USB communication interface for data transfer orconnecting a power adapter to meter.

PH-530/531/540 Features:

- ＊ 1 to 5 points calibration with automatic recognition for conductivity standards.
- ＊ Automatic electrode diagnosis shows the calibration points and factors.
- ＊ Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- ＊ Automatic temperature compensation ensures accurate readings over the entire range.
- ＊ Auto-Read function senses and locks the measurement endpoint.
- ＊ Calibration due alarm prompts user to calibrate the meter regularly.
- ＊ Auto-Power Off effectively conserves battery life.
- ＊ Setup menu allows setting the number of calibration points, stabilitycriteria,temperature unit, date and time, etc.
- ＊ Reset function automatically resumes all settings back to the factory defaults.
- ＊ Expanded memory stores or recalls up to 500 data sets.
- ＊ USB communication interface is easy to transfer data to PC.
- ＊ Multi-mode powerscheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Accessories：

Meter, CON-1 conductivity electrode, temperature probe, standard solutions and carrying case.

Technical Parameters:

Model			PH-520	PH-530	PH-531	PH-540
Conductivity	Range	Standard	CON-1：2μs/cm~20000μs/cm			
		Optional	CON-0.01：0.01μs/cm~0.1μs/cm；CON-0.1：0.1μs/cm~2μs/cm；CON-10：20000μs/cm~200ms/cm			
	Accuracy		±0.5% F.S.			
	Resolution		0.001, 0.01, 0.1, 1			
	Calibration Points		1 to 3 points (PH-520), 1 to 5 points (PH- 530/531/540)			
	Calibration Solutions		10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm			
TDS	Range		/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Accuracy		/	±1% F.S.	/	±1% F.S.
	Resolution		/	0.01, 0.1, 1	/	0.01, 0.1, 1
	TDS Factor		/	0.1~1.0 (default 0.5)	/	0.1~1.0 (default 0.5)
Salinity	Range		/		0.00~42.00psu,0.00~80.00ppt	
	Accuracy		/		±1% F.S.	
	Resolution		/		0.01	
Resistivity	Range		/			0.00~20.00MΩ
	Accuracy		/			±1% F.S.
	Resolution		/			0.01
Temperature	Range		0~105°C/32~221°F			
	Accuracy		±0.5°C/±0.9°F			
	Resolution		0.1°C/0.1°F			
	Offset Calibration		1 point, reading ±10°C			
Other Specifications	Temperature Compensation		0~100°C, manual or automatic			
	Temperature Coefficient		Linear (0.0~10.0%/°C), non-linear, pure water			
	Reference Temperature		20/25°C			
	Cell Constant		K=0.1, 1, 10			
	Stability Criteria		/	Low or high		
	Calibration Due Alarm		/	1 to 31 days or off		
	Hold Function		Manual or auto-endpoint			
	Auto-Off		30 minutes after last key pressed (PH-520)，10, 20 or 30 minutes after last key pressed (PH-530/531/540)			
	Memory		100 data sets(PH-520)，500 data sets(PH-530/531/540)			
	Communication Interface		USB			
	Connector		6-pin nimi-DIN, 3.5mm jack socket			
	Display		Custom LCD (80*60mm)			
	Power Requirements		3× 1.5V AA batteries or DC5V power adapter			
	Battery Life		Approximately 150 hours (Turn off the backlight)			
	Dimensions(mm)		170*85*30mm			
	Weight(kg)		300g			
	Package Size(W*D*H)mm		475*155*350mm			
	Gross weight(kg)		2kg			

Benchtop Conductivity/TDS/Salinity/Resistivity Meter

PH-950

Features:

- ＊1 to 5 points calibration with automatic recognition for conductivity standards.
- ＊Automatic electrode diagnosis shows the calibration points and factors.
- ＊Selectable cell constant, reference temperature, TDS factor, linear and pure watercompensations, seawater and practical salinity measurement modes.
- ＊Automatic temperature compensation ensures accurate readings over the entire range.
- ＊Auto-Read function senses and locks the measurement endpoint.
- ＊Calibration due alarm prompts user to calibrate the meter regularly.
- ＊Set up menu allows setting the number of calibration points, stability criteria,temperature unit, date and time, etc.
- ＊Reset function automatically resumes all settings back to the factory defaults.
- ＊Expanded memory stores or recalls up to 500 data sets.
- ＊USB communication interface for data transfer and timed interval readings.

Accessories:

Meter, CON-1 conductivity electrode, temperature probe, standard solutions, electrode holder, USB cable and power adapter.

Technical Parameters:

Model			PH-950
Conductivity	Range	Standard	CON-1：2μs/cm~20000μs/cm
		Optional	CON-0.01：0.01μs/cm~0.1μs/cm；CON-0.1：0.1μs/cm~2μs/cm； CON-10：20000μs/cm~200ms/cm
	Accuracy		±0.5% F.S.
	Resolution		0.001, 0.01, 0.1, 1
	Calibration Points		1 to 5 points
	Calibration Solutions		10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Range		0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Accuracy		±1% F.S.
	Resolution		0.01, 0.1, 1
Salinity	TDS Factor		0.1~1.0 (default 0.5)
	Range		0.00~42.00psu,0.00~80.00ppt
	Accuracy		±1% F.S.
Resistivity	Resolution		0.01
	Range		0.00~20.00MΩ
	Accuracy		±1% F.S.
Temperature	Resolution		0.01
	Range		0~105°C/32~221°F
	Accuracy		±0.5°C/±0.9°F
Other Specifications	Resolution		0.1°C/0.1°F
	Offset Calibration		1 point, reading ±10°C
	Temperature Compensation		0~100°C, manual or automatic
	Temperature Coefficient		Linear (0.0~10.0%/°C), non-linear, pure water
	Reference Temperature		20/25°C
	Cell Constant		K=0.1, 1, 10
	Stability Criteria		Low or high
	Calibration Due Alarm		1 to 31 days or off
	Calibration Factor Display		Yes
	Hold Function		Manual or auto-endpoint
	Memory		500 data sets
	Communication Interface		USB
	Connector		6-pin nimi-DIN, 3.5mm jack socket
	Display		Custom LCD (125*100mm)
	Power Requirements		DC5V power adapter
	Dimensions(mm)		210*188*60mm
	Weight(kg)		1.5kg
	Package Size(W*D*H)mm		310*240*180mm
	Gross weight(kg)		1.7kg

Portable Dissolved Oxygen Meter

PH-820

PH-821

Features:

- ∗ 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- ∗ Salinity and barometric pressure compensations eliminate the measurement error.
- ∗ Automatic temperature compensation ensures accurate readings over the entire range.
- ∗ Auto-Read function senses and locks the measurement endpoint.
- ∗ Auto-Power Off effectively conserves battery life.
- ∗ Setup menu allows setting the number of calibration points, resolution, temperature unit, concentration unit, stability criteria, date and time, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults.
- ∗ Expanded memory stores or recalls up to 500 data sets.
- ∗ USB communication interface for data transfer or connecting a power adapter to meter.

Accessories：

DO100 dissolved oxygen electrode, electrolyte solution, membrane cap and carrying case.

Technical Parameters:

Model		PH-820	PH-821
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation	
	Accuracy	±0.5mg/L, ±2.0%	±0.2mg/L, ±2.0%
	Resolution	0.01mg/L, 0.1%	
Other Specifications	Calibration Points	1 or 2 points	
	Temperature Compensation	0~50°C/32~122°F, automatic	
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	
	Salinity Correction	0.0~50.0g/L, manual	
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Hold Function	Manual or auto-endpoint	
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	
	Connector	6-pin nimi-DIN	
	Display	Custom LCD (80*60mm)	
	Power Requirements	3× 1.5V AA batteries or DC5V power adapter	
	Dimensions(mm)	170*85*30mm	
	Weight(kg)	300g	
	Package Size(W*D*H)mm	475*155*350mm	
	Gross weight(kg)	1.7kg	

Benchtop Dissolved Oxygen Meter

PH-810

PH-980

Features:

∗ 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
∗ Salinity and barometric pressure compensations eliminate the measurement error.
∗ Automatic temperature compensation ensures accurate readings over the entire range.
∗ Auto-Read function senses and locks the measurement endpoint.
∗ Setup menu allows setting the number of calibration points, concentration unit, temperature unit, etc.
∗ Reset function automatically resumes all settings back to the factory defaults.
∗ Calibration due alarm prompts user to calibrate the meter regularly.(only PH-980)
∗ Set up menu allows setting the number of calibration points,resolution,stability criteria, temperature unit, concentration unit, date and time, etc.(only PH-980)
∗ Expanded memory stores or recalls up to 500 data sets.(only PH-980)SD
∗ USB communication interface for data transfer and timed interval readings.(only PH-980)

Accessories:

DO100 dissolved oxygen electrode, electrolyte solution, membrane cap and DC9V power adapter.

Technical Parameters:

Model		PH-810	PH-980
DO	Range	0.0~20.0mg/L or ppm	
	Accuracy	±0.5mg/L	±0.2mg/L
	Resolution	0.1mg/L	0.01, 0.1mg/L, selectable
% saturation	Range	0.0~200.0%	
	Accuracy	±2.0%	
	Resolution	1%	0.1, 1%, selectable
Temperature	Range	0~60°C/32~140°F	
	Accuracy	±1°C/±1.8°F	±0.5°C/±0.9°F
	Resolution	0.1°C/0.1°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Dissolved Oxygen Calibration	1 or 2 points	
	Temperature Compensation	0~40°C, automatic	0~50°C, automatic
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	
	Salinity Correction	0.0~35.0g/L, manual	0.0~50.0g/L, manual
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Hold Function	Manual or auto-endpoint	
	Memory	/	500 data sets
	Communication Interface	/	USB
	Connector	6-pin nimi-DIN	
	Display	Custom LCD (120*60mm)	Custom LCD (125*100mm)
	Power Requirements	DC9V power adapter	DC5V power adapter
	Dimensions(mm)	210*205*75mm	210*188*60mm
	Weight(kg)	1.5kg	
	Package Size(W*D*H)mm	310*240*180mm	
	Gross weight(kg)	1.7kg	

Portable Water Hardness Meter

Features:

- ✻ 2 to 5 points calibration from low to high concentrations.
- ✻ Selectable water hardness units - mmol/L, mg/L, German degree (°dH), English degree (°e) and French degree (°f).
- ✻ Automatic temperature compensation ensures accurate readings over the entire range
- ✻ Auto-Read function senses and locks the measurement endpoint.
- ✻ Calibration due alarm prompts user to calibrate the meter regularly.
- ✻ Auto-Power Off effectively conserves battery life.
- ✻ Setup menu allows setting the number of calibration points, stability criteria, etc.
- ✻ Reset function automatically resumes all settings back to the factory defaults.
- ✻ Expanded memory stores or recalls up to 500 data sets.
- ✻ USB communication interface for data transfer or connecting a power adapter to meter.

Accessories:

Water hardness electrode, temperature probe, standard solutions (10/100mmol/L), ionic strength adjuster and carrying.

Technical Parameters:

Model		PH-322
Water Hardness	Range	0.05~200mmol/L, 0~1122°dH, 0~2000°fH, 0~1404°e, 0~8020mg/L (Ca2+), 0~19999mg/L (CaCO3), 0~11220mg/L (CaO)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration Points	2 to 5 points (0.01, 0.1, 1, 10, 100mmol/L)
Temperature	Range	0.0~105.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~50°C, manual or automatic
	Hold Function	Manual or auto-endpoint
	Auto-Off	10, 20 or 30 minutes after last key pressed
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (80*60 mm)
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Dimension	170*85*30mm
	Net Weight	300g
	Packing Size	475*155*350mm
	Gross Weight	2kg

Benchtop Water Hardness Meter

Features:

- ∗ 2 to 5 points calibration from low to high concentrations.
- ∗ Selectable water hardness units - mmol/L, mg/L, German degree (°dH), English degree (°e) and French degree (°f).
- ∗ Automatic temperature compensation ensures accurate readings over the entire range.
- ∗ Auto-Read function senses and locks the measurement endpoint.
- ∗ Calibration due alarm prompts user to calibrate the meter regularly.
- ∗ Setup menu allows setting the number of calibration points, stability criteria, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults.
- ∗ Expanded memory stores or recalls up to 500 data sets.
- ∗ USB communication interface is easy to transfer data to PC.

Accessories:

Water hardness electrode, temperature probe, standard solutions (10/100mmol/L), ionic strength adjuster, electrode holder, USB cable and power adapter.

Technical Parameters:

Model		PH-932
Water Hardness	Range	0.05~200mmol/L, 0~1122°dH, 0~2000°fH, 0~1404°e, 0~8020mg/L (Ca2+), 0~19999mg/L (CaCO3), 0~11220mg/L (CaO)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration Points	2 to 5 points (0.01, 0.1, 1, 10, 100mmol/L)
Temperature	Range	0.0~105.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~50°C, manual or automatic
	Stability Criteria	Low or high
	Calibration Due Alarm	1 to 31 days or off
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (125*100mm)
	Power Requirements	DC5V power adapter
	Dimension	210*188*60mm
	Net Weight	1.5kg
	Packing Size	310*240*180mm
	Gross Weight	1.7kg

Portable Multiparameter Water Quality Meter

7.000
25.0
BIOBASE

Features:

PH:

∗ Multiparameter water quality meter is equipped with a 3.5 inches backlit LCD display.
∗ 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
∗ Automatic electrode diagnosis shows the pH slope and offset.

ORP:

∗ 1 point offset calibration allows adjusting the displayed value to a known standard.
∗ Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration:

∗ 2 to 5 points calibration, including the 8 concentration points can be selected.
∗ Direct ion concentration readout simplifies the measurement process.
∗ Automatic electrode diagnosis shows the calibration points and slopes.
∗ Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

Conductivity/TDS/Salinity/Resistivity:

∗ 1 to 5 points calibration with automatic recognition for conductivity standards.
∗ Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
∗ Automatic electrode diagnosis shows the calibration points and factors.

Dissolved Oxygen:

∗ 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
∗ Salinity and barometric pressure compensations eliminate the measurement error.

Other Features:

∗ Automatic temperature compensation ensures accurate readings over the entire range.
∗ Auto-Read function senses and locks the measurement endpoint.
∗ Calibration due alarm prompts user to calibrate the meter regularly.
∗ Auto-Power Off effectively conserves battery life.
∗ Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc..
∗ Reset function automatically resumes all settings back to the factory defaults.
∗ Expanded memory stores or recalls up to 500 data sets.
∗ USB communication interface is easy to transfer data to PC.
∗ Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Accessories:

pH/conductivity/dissolved oxygen electrode, temperature probe, pH standard buffer, conductivity standard solutions, dissolved oxygen electrolyte, membrane cap, carrying case.

Technical Parameters:

Model		PH-900P
pH	Range	-2.000~20.000pH
	Resolution	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.002pH
	Calibration Points	1 to 5 points
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers
ORP(optional)	Range	±1999.9mV
	Resolution	0.1, 1mV, selectable
	Accuracy	±0.2mV
	Calibration Points	1 point
Ion(optional)	Range	0.001~19999 (depending on the range of ISE)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
	Measurement Units	ppm, mg/L, mol/L, mmol/L
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
Conductivity	Range	0.1~2μS/cm(CON-0.1,optional); 2~20mS/cm(CON-1,standard); 20~200mS/cm(CON-10,optional)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S.
	Calibration Points	1 to 5 points
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	20/25°C
	Cell Constant	K=0.1, 1, 10 or custom
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1
	Accuracy	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
Salinity	Range	0.00~42.00psu, 0.00~80.00ppt
	Resolution	0.01
	Accuracy	±1% F.S.
Resistivity	Range	0.00~20.00MΩ
	Resolution	0.01
	Accuracy	±1% F.S.
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution	0.01mg/L, 0.1%
	Accuracy	±0.2mg/L, ±2.0%
	Calibration Points	1 or 2 points
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual
	Salinity Correction	0.0~50.0g/L, manual
Other Specifications	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Dimension	170*85*30mm
	Net Weight	300g
	Packing Size	450*320*100mm
	Gross Weight	2kg

Benchtop Multiparameter Water Quality Meter

BIOBASE
7.000
25.0

Features:

pH:

- ∗ Multiparameter water quality meter is equipped with a 6.5 inches backlit LCD display 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- ∗ Automatic electrode diagnosis shows the pH slope and offset.

ORP:

- ∗ 1 point offset calibration allows adjusting the displayed value to a known standard.
- ∗ Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration:

- ∗ 2 to 5 points calibration, including the 8 concentration points can be selected.
- ∗ Direct ion concentration readout simplifies the measurement process.
- ∗ Automatic electrode diagnosis shows the calibration points and slopes.
- ∗ Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

Conductivity/TDS/Salinity/Resistivity:

- ∗ 1 to 5 points calibration with automatic recognition for conductivity standards.
- ∗ Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- ∗ Automatic electrode diagnosis shows the calibration points and factors.

Dissolved Oxygen:

- ∗ 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- ∗ Salinity and barometric pressure compensations eliminate the measurement error

Other Features:

- ∗ Automatic temperature compensation ensures accurate readings over the entire range.
- ∗ Auto-Read function senses and locks the measurement endpoint.
- ∗ Calibration due alarm prompts user to calibrate the meter regularly.
- ∗ Setup menu allows setting the number of calibration points, resolution, stability criteria,temperature unit, date and time, etc.
- ∗ Reset function automatically resumes all settings back to the factory defaults.
- ∗ Expanded memory stores or recalls up to 500 data sets.
- ∗ USB communication interface for data transfer and timed interval readings.

BIOBASE
Website: www.biobase.com / www.meihuatrade.com

Accessories:

pH/conductivity/dissolved oxygen electrodes, temperature probe, pH buffer sachets, conductivity standard solutions, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter

Technical Parameters:

Model		PH-900
pH	Range	-2.000~20.000pH
	Resolution	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.002pH
	Calibration Points	1 to 5 points
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers
ORP(optional)	Range	±1999.9mV
	Resolution	0.1, 1mV, selectable
	Accuracy	±0.2mV
	Calibration Points	1 point
Ion(optional)	Range	0.001~19999 (depending on the range of ISE)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
	Measurement Units	ppm, mg/L, mol/L, mmol/L
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
Conductivity	Range	0.1~2μS/cm(CON-0.1,optional); 2~20mS/cm(CON-1,standard); 20~200mS/cm(CON-10,optional)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S.
	Calibration Points	1 to 5 points
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	20/25°C
	Cell Constant	K=0.1, 1, 10 or custom
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1
	Accuracy	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
Salinity	Range	0.00~42.00psu, 0.00~80.00ppt
	Resolution	0.01
	Accuracy	±1% F.S.
Resistivity	Range	0.00~20.00MΩ
	Resolution	0.01
	Accuracy	±1% F.S.
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution	0.01mg/L, 0.1%
	Accuracy	±0.2mg/L, ±2.0%
	Calibration Points	1 or 2 points
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual
	Salinity Correction	0.0~50.0g/L, manual
Other Specifications	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power Requirements	DC5V power adapter
	Dimension	210*188*60mm
	Net Weight	1.5kg
	Packing Size	300*250*200mm
	Gross Weight	1.7kg

Spectrophotometer

Micro-Volume UV/VIS Spectrophotometer

Features:

- ∗ The uniquely designed sample holder can test a small amount of DNA and protein.
- ∗ Detection is rapid, drop sample - rotation - detection
- ∗ The whole measurement process without light loss, to ensure the accuracy of the results
- ∗ The function can be expanded, and can complete quantitative testing, wavelength scanning, kinetics, multi-wavelength and other functions, and can also be used for conventional colorimetric blood measurement.

Technical Parameters:

Model	BK-CW500
Minimum Sample Capacity	0.2μl
Ultromicro Optical Distance	0.5mm
Detectable Concentration Range	2.5~7500ng/ul(dsDNA)
Min Precise Detect Concentration	10ng/μl (dsDNA)
Max Precise Detect Concentration	5000ng/μl (dsDNA)
DNA reproducibility	< ±1.0 % (dsDNA, @ 1000ng/μl)
Wavelength Range	190~1100nm
Spectral Bandwidth	4nm
Optical System	Grating Double beam
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	0.3nm
Max Scanning Speed	4000nm/min
Photometric Accuracy	±0.5%T or ±0.004A @ 1A
Photometric Range	0~200%T, -0.3~0.3A, 0~9999Conc
Stray Light	0.05%T @ 220, 340nm
Stability	±0.001A/h @ 500nm
Baseline Flatness	±0.002A
Light Source	Halogen & Deuterium lamp
Output	USB Print and data output, Connect PC
Power Supply	AC110/220V±10%, 50/60Hz
Package Size(W*D*H)mm	480*600*360
Gross Weight(kg)	11

Micro-Volume UV/VIS Spectrophotometer

Application:

Micro-Volume Spectrophotometer is used for quantitative and qualitative research by spectrophotometry.
It is usually used in quantitative research of nucleic acid, proteins and bacterial concentration.

BK-CW1000

BK-CW2000

Features:

- ∗ Most samples don't need dilute.
- ∗ Microscale sample test, minimum 0.5μl.
- ∗ PC control, more accurate and flexible.
- ∗ Ultromicro and cuvette dual platform (Only for BK-CW2000).
- ∗ Wide test area, 100 times of the traditional spectrophotometer.
- ∗ Test directly without warming up, do not need detection container, lower daily consumption.

Technical Parameters:

Model	BK-CW1000	BK-CW2000
Minimum Sample Capacity	0.5μl	
Ultromicro Optical Distance	1mm/0.2mm	1mm/0.2mm/0.05mm
Cuvette Optical Distance	/	10mm/5mm/2mm/1mm
Whole Wavelength	190~1100nm	
Scanning Wavelength	190~850nm	
Wavelength Accuracy	1nm	
Wavelength Resolution	≤0.3nm (FWHM @ Hg 253.7nm)	
Absorbance Accuracy	2%（0.76 @ 257nm)	
Absorbance Resolution	0.002Abs (1mm)	
Absorbance Range	0.02~300(10mm)	0.005~300 (10mm)
Test Accuracy	0.1~5 Abs.±0.1 Abs 5~80 Abs. ±2%	0.01~0.5 Abs. ±0.01Abs 0.5~80 Abs. ±2%
Test Time	5s	
Detector	3648 pixel linear CCD array	
Light Source	Xenon flash lamp	
Sample Test Platform Material	304 stainless steel and quartz	
Standard Accessories	• Driver software CD 1 pc • Power line 1 pc • Power Adapter 1 pc	
Consumption	24W	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	200*130*136	
Package Size(W*D*H)mm	310*310*310	
Net Weight(kg)	2.5	
Gross Weight(kg)	5	

UV/VIS Spectrophotometer

Basic Functions:

Model	Optical System	Wavelength Range	Bandwidth	Photo-metry	QTY	MULT	KINS	Scanning	Bio
BK-V1000	Single Beam	325-1020nm	4nm	●					
BK-UV1000	Single Beam	200-1020nm	4nm	●					
BK-V1200	Single Beam	325-1020nm	4nm	●	●				
BK-UV1200	Single Beam	200-1020nm	4nm	●	●				
BK-V1600	Single Beam	320-1100nm	4nm	●	●	●	●		
BK-UV1600	Single Beam	190-1100nm	4nm	●	●	●	●		
BK-V1800	Single Beam	320-1100nm	2nm	●	●	●	●		
BK-UV1800	Single Beam	190-1100nm	2nm	●	●	●	●		
BK-V1900	Single Beam	190-1100nm	2nm	●	●	●	●	●	●
BK-UV1900	Single Beam	190-1100nm	2nm	●	●	●	●	●	●
BK-S360	Single Beam	190-1100nm	1.8nm	●	●	●	●	●	●
BK-S380	Single Beam	190-1100nm	1nm	●	●	●	●	●	●
BK-S390	Single Beam	190-1100nm	0.5, 1, 2, 4,5nm	●	●	●	●	●	●
BK-D560	Double Beam	190-1100nm	1.8nm	●	●	●	●	●	●
BK-D580	Double Beam	190-1100nm	1nm	●	●	●	●	●	●
BK-D590	Double Beam	190-1100nm	0.5, 1, 2,4, 5nm	●	●	●	●	●	●

UV/VIS Spectrophotometer

Features:

- ∗ Large LCD screen (128*64 Dots).
- ∗ Pre-aligned design ensures the user can change lamps conveniently.
- ∗ With SiO_2 coating optical mirror, reducing the pollution from outside fully.
- ∗ Environmental Deuterium lamp, preventing from Ozone inhalation.
- ∗ High-class grating, wholly hermetic light path design, ensures the super low stray light.
- ∗ Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system.
- ∗ Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically.
- ∗ Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics.
- ∗ Widely used for Organic chemistry, Inorganic chemistry, Life sciences, food, Medicine and health, Agriculture, Geology, Metallurgy and Environment etc. fields.

Basic Fuctions:

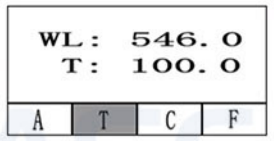
∗ Photometry

Test Abs, Transmittance by fixed wavelength.

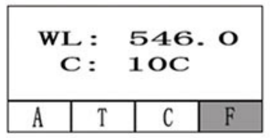
∗ Quantitative

a. C Mode: EstablishC=K*A curve, test sample concentration.
b. F Mode: Establish A=K1*C+K0, test sample concentration.
c. Display and save curve, test data (BK-V1200).

Photometry Mode



Con. Test C=K*A+B



Technical Parameters:

Model	BK-UV1000	BK-V1000	BK-UV1200	BK-V1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200~1100nm	325~1100nm	195~1100nm	320~1100nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	±1.8nm		±1.0nm	
Wavelength Repeatability	≤0.5nm			
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)			
Stray Light	≤ 0.2 % T @ 360nm; 220nm(UV)		≤ 0.2% T @ 360nm(V)	
Stability	± 0.002A/h@500nm			
Noise	±0.001A			
Display	128*64 Dots LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200%T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	Parallel Print,USB1.0			
Standard Accesseries	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cmquadruple cuvette holder*1	1cm glass cuvette*4, 1cmquadruple cuvette holder*1	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cmquadruple cuvette holder*1	1cm glass cuvette*4, 1cmquadruple cuvette holder*1
Optional Accessories	General application software, 1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool			
Package Size(W*D*H) mm	560*430*320	560*430*320	560*430*320	560*430*320
Gross Weight(kg)	12	11.5	12	11.5

UV/VIS Spectrophotometer

Features:

- ＊ With Si02 coating optical mirror, reducing the pollution from outside fully
- ＊ Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- ＊ With GLP self-check function, check the wavelength accuracy and Photometry accuracy
- ＊ PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test for PC Series

Basic Functions:

＊ Photometry

Test Abs., Transmittance and Energy by fixed wavelength.

＊ Kinetics

Used for time course scanning or reaction ratecalculations △A/t, can search all data.

＊ Multi-Wavelength

Can test Transmittance and Abs. with 8 different wavelengths at most

＊ Quantitative

Linear fit and Linear fit through zero two modes

a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.

b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings

c. Can save 240 group curves, can test 240 data in each curve.

d. Double wavelength, Triple wavelength test functions.

Technical Parameters:

BIOBASE Email: export@biobase.com

Model	BK-UV1800 BK-UV1800PC	BK-UV1600 BK-UV1600PC	BK-V1800 BK-V1800PC	BK-V1600 BK-V1600PC
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190~1100nm		320~1100nm	
Spectral Bandwidth	2nm	4nm	2nm	4nm
Wavelength Accuracy	±0.5nm			
Wavelength Repeatability	≤0.2nm			
Photometric Accuracy	±0.002A (0~0.5Abs), 0.004A (0.5~1.0Abs), ± 0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)			
Stray Light	≤ 0.04% T @ 360nm; 220nm		≤ 0.04% T @ 360nm	
Stability	±0.001A/h @ 500nm			
Baseline Flatness	±0.002A			
Noise	±0.0005A			
Display	480*272 65 thousand true color TFT LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200% T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	USB-A*2 Print and data output USB-B Connect PC			
Standard Accessories	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cmquadruple cuvette holder*1, Scanning software(only for PC type)		1cm glass cuvette*4, 1cm quadruple cuvette holder*1, Scanning software(only for PC type)	
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories, general application software or Scanning software(not for PC type)			
Power Supply	AC110/220V±10%, 60/50Hz			
Package Size(W*D*H)mm	620*500*370	620*500*370	620*500*370	620*500*370
Gross Weight(kg)	18	18	16.5	16.5

Scanning UV/VIS Spectrophotometer

Features:

- ＊ With Si02 coating optical mirror, reducing the pollution from outside fully
- ＊ Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- ＊ With GLP self-check function, check the wavelength accuracy and Photometry accuracy
- ＊ Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- ＊ Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically

Basic Functions:

＊ Photometry

Test Abs., Transmittance and Energy by fixed wavelength.

＊ Quantitative

Linear fit and Linear fit through zero two modes

a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.

b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings.

c. Can save 240 group curves, can test 240 data in each curve.

d. Double wavelength, Triple wavelength test functions.

＊ Kinetics

Used for time course scanning or reaction rate calculations △A/t, can search all data.

＊ Multi-Wavelength

Can test Transmittance and Abs. with 8 different wavelengths at most.

＊ Scanning

User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.

＊ Biology

6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

BIOBASE Email: export@biobase.com

Model	BK-UV1900 BK-UV1900PC	BK-V1900 BK-V1900PC
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190~1100nm	320~1100nm
Spectral Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤0.2nm	
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)	
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)	
Stray Light	≤ 0.04% T @ 360nm; 220nm	
Stability	± 0.001A / h @ 500nm	
Baseline Flatness	±0.002A	
Noise	0.0005Abs @ 500nm	
Display	480*272 65 thousand true color TFT LCD	
Photometric Mode	T, A, C, E	
Photometric Range	0~200% T, -0.301~3.0A	
Detector	Silicon Photodiode	
Light Source	Deuterium Lamp, Tungsten Lamp	
Input	Membrane Keypad	
Output	USB Print and data output, Connect PC	
Standard Accessories	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cmquadruple cuvette holder*1, Scanning software(only for PC type)	1cm glass cuvette*4, 1cmquadruple cuvette holder*1, Scanning software(only for PC type)
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories, general application software or Scanning software(not for PC type)	
Power Supply	AC110V/220±10%, 60/50Hz	
Package Size(W*D*H)mm	620*500*370	620*500*370
Gross Weight(kg)	18	16.5

Scanning UV/VIS Spectrophotometer

Features:

- ∗ Environmental Deuterium lamp, preventing from Ozone inhalation
- ∗ Socket-Type Deuterium lamp and Tungsten lamp
- ∗ SiO_2 coating optical mirror, reduces the influence from outside
- ∗ GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- ∗ Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically

Basic Functions:

∗ **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.

∗ **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings.
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.

∗ **Kinetics**
Used for time course scanning or reaction rate calculations△A/t, can search all data.

∗ **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.

∗ **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.

∗ **Biology**
DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret)

Technical Parameters:

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.1% T (0~100% T)		
Stray Light	≤0.04% T @ 360nm; 220nm		
Stability	±0.001A/h @ 500nm		
Baseline Flatness	±0.0015A		
Noise	±0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD (480*800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB-A*2 Print and data output USB-B Connect PC		
Standard Accessories	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cm quadruple cuvette holder, scanning software		
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

Double Beam Scanning UV/VIS Spectrophotometer

Features:

- ∗ Environmental Deuterium lamp, preventing from Ozone inhalation
- ∗ Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp
- ∗ Socket-Type Deuterium lamp and Tungsten lamp
- ∗ GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- ∗ Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- ∗ SiO_2 coating optical mirror, reduces the influence from outside

Basic Functions:

∗ **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.

∗ **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish A=K1*C+K0, can search original data, graph curve, parameters setting
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.

∗ **Kinetics**
Used for time course scanning or reaction rate calculations△A/t, can search all data.

∗ **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.

∗ **Scanning**
User can set the scan range from 190nm to to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.

∗ **Biology**
6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

Model	BK-D560	BK-D580	BK-D590
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)		
Stray Light	≤0.04 T @ 360nm; 220nm		
Stability	±0.0003A/h @ 500nm		
Baseline Flatness	±0.0005A		
Noise	±0.0002Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB-A*2 Print and data output USB-B Connect PC		
Standard Accessories	Scanning software, 1cm standard single slot cuvette holder, 1cm glass cuvette*4, 1cm quartz cuvette*2		
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absonrption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories, Scanning software		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

UV/VIS Spectrophotometer Accessories

1cm standard single slot cuvette holder

Long optical path cuvette holder

Cuvette

Micro cuvette

Test tube type absorber rack

Solid sample holder

Deuterium lamp

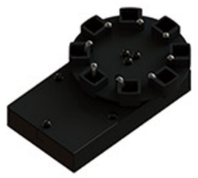
Tungsten lamp

Quadruple cuvette holder

Printer

Four-slot water bath type constant temperature absorption pool

Reflection accessories


8 racks

X-Y Adjustable Micro Absorption Pool

Single bath type constant temperature absorption pool

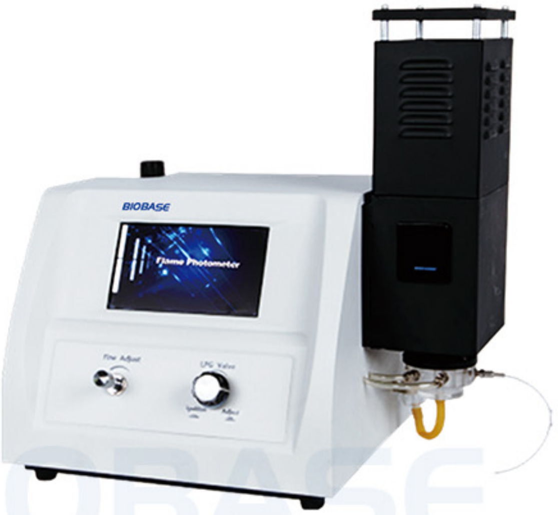
Program-controlled thermostatic absorption pool seat

Flame Spectrophotometer

It is an analytical instrument based on emission spectrum principle,using the thermal energy of flame to make the certain element motivate luminescence to analyze the content of certain element in the material, widely used in the analysis and determination of agricultural fertilizer, soil, cement, ceramics and silicate industry and pathological studies of health care etc.

Features:

✻ USB Interface(Except BK-FP640)
✻ LPG as burning gas
✻ Direct concentration read-out （Except BK-FP640）
✻ Measuring range adjustable
✻ 7 inch LCD touch screen
✻ Automatic Calculation of correlation coefficient(Except BK-FP640)
✻ Pre-selection of flame sizes
✻ Flameout protection device
✻ Optional built-in printer (Except for BK-FP640)



Air Compressor

Technical Parameters:

Model		BK-FP640	BK-FP6410	BK-FP6430	BK-FP6431	BK-FP6440	BK-FP6450
Sensitivity(LOD)	K	0.01ppm					
	Na	0.01ppm					
	Li	/	/	0.1ppm	/	0.1ppm	
	Ca	/	/	/	2ppm	2ppm	
	Ba	/	/	/	/	/	6ppm
Range	K	0~100ppm					
	Na	0~160ppm					
	Li	/	/	0~100ppm	/	0~100ppm	
	Ca	/	/	/	0~1000ppm	0~1000ppm	
	Ba	/	/	/	/	/	0-3000ppm
Llinearity Error	K	≤0.195ppm					
	Na	≤0.69ppm					
	Li	/	/	≤0.15ppm	/	≤0.15ppm	
	Ca	/	/	/	≤3ppm	≤3ppm	
	Ba	/	/	/	/	/	≤9ppm
Reproducibility	3% CV for 7 consecutive samples						
Response Time	<8s						
Sample Uptake	<6ml/min						
Ambient Temp	10℃~35℃						
Humidity	≤85%						
Power Supply	AC110/220V±10%, 60/50Hz						
Consumption	250W						
Standard Accessory	Air compressor						
Package Size	570*560*400mm						
Gross weight	18kg						

Remark: The instrument data shows one digit after the decimal point by default.

Fluorescence Spectrophotometer

Applications:

Fluorescence analysis can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc and a wide lineal range of working curve.
This method has been used in: Medical science and clinical ,Pharmaceutical science and pharmacology,Biochemistry ,Food industry, Pollution and Organic and inorganic chemistry.

BK-F96PRO

BK-F93

Features for BK-F96PRO:

- ∗ Two operation modes fluorescence intensity and luminous intensity.
- ∗ 365nm exciting wavelength, Raman peak of water S/N ≥150.
- ∗ 10 stages emission spectrum scanning.
- ∗ Support off-line mode and on-line mode.

Features for BK-F93 :

- ∗ 1200 line diffraction grating emission monochromator.
- ∗ LED is a cold-light source with longevity, lower background & reliability, prevent from thermo-pollution.
- ∗ Automatic zero adjustment and automatic background subtraction.
- ∗ Eight stage sensitivity adjustment, Real time fluorescence value display and concentration print out,.Extra wide dynamic range of fluorescence value ensures accurate measurement of minute changes in micro samples.

Technical Parameters:

Model	BK-F96PRO	BK-F93
Light Source	Hamamatsu 150W Xenon lamp	4 digits LED
Excitation filter	Interference optical filter a) Standard set is equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth b) An optional interference optical filer of 25mm diameter of wavelength of 250~700nm can be provided on users demand.	LED options a) Standard set includes LED at wavelength 365nm b) The A set includes LED wavelength at 365nm, 376nm, 392nm, 405nm c) Customizable wavelength from 360nm to 600nm
Emission Monochromator	C-T diffraction grating (Em 200~900nm, bandwidth 10nm)	360~650nm (C-T diffraction grating)
Wavelength Accuracy	±1nm	±2nm
Wavelength Repeatability	≤0.5nm	≤1nm
Sensitivity	Raman peak of water in 1 cm quartz fluorescence cuvette with S/N≥150	1*10^{-9}g/ml (Standard aqua of the sulfuric acid Quinine, 12nm bandwidth)
Linear Measurement(r)	≥0.995	
Stability	better than 1.5%/10min	better than 3%/10min
Response Time	(0.1~4)s, 6 stages adjustable	(0.1~4)s
Fluorescence Display Value	0.00~600.00	0.00~250.00
Standard Accessories	365nm filter(Preassembled), 1 pc F96PRO software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell10mm, 1 pair	RS232 serial port, Glass fluorescence cuvette 10mm 1 pair
Optional Accessories	Fuses(2A/5A), 200-700nm interference optical filter (φ25mm) Quartz fluorescence sample cell10mm Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave Filters 200uL microcentrifuge tube accessory Upconversion fluorescent accessory	Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm、376nm、392nm、405nm
Power Supply	AC110/220V±10%, 60/50Hz	
Package Size(W*D*H)mm	535*500*380	450* 420 *280
Gross Weight(kg)	14	9

BK-AA4530F Atomic Absorption Spectrophotometer

Standard Aeecssories:

Oil free air compressor

Printer

Features:

- ∗ Completely controlled by PC, can flexibly select the flame and graphite furnace atomizer (optional).
- ∗ Integrated floated optical platform design improves the optical system shock resistance stable.
- ∗ Eight light stands can be changed automatically and preheat the eight lights meantime as well as optimize the working condition of the hollow cathode lamp.
- ∗ Position adjusting: the flame burner can be set on the best position automatically.
- ∗ Fully automated wavelength scanning and peak searching.
- ∗ Complete safety chains protection equipment: warning and automatic safety protection for the wrong burner connection, leakage of the gas, under voltage of air and the abnormal flameout.
- ∗ Deuterium lamp and self-absorption background calibration.
- ∗ Measuring method: flame absorption method and emission method.
- ∗ Result printing: parameter, data result and diagram.
- ∗ Data processing: more than 500 data self-storage and cut-off storage, the analyzed result is stored in EXCEL format.

Technical Parameters:

Model	BK-AA4530F
Wavelength Range	190~900nm
Spectral Bandwidth	0.1, 0.2, 0.4, 1.0 and 2.0nm
Wavelength Accuracy	≤±0.15nm
Wavelength Repeatability	≤0.04nm
Base Line Stability	≤0.002A/30min (Cu)
Characteristic Concentration	0.02μg/ml/1% (Cu)
Detection Limit	0.004μg/ml (Cu)
Preciseness	≤0.5%
Grating	1800 lines/mm
Inflamer	All-metal titanium burner
Atomizer	Effective glass atomizer
Lamp Stand	8
D2 background Calibration	When the background is 1 A, the background ability should be deducted not less than 50 times; self absorption background deduction method
Power Supply	220V, 50Hz
Packing Size(W*D*H) mm	860*705*755 (Main instrument); 545*445*1385 (Accessories)
Gross Weight(kg)	105 (Main instrument); 100 (Accessories)
Standard Accessories	Software; Inkjet printer; Oil free Air compressor; Acetylene reducing valve; Cu Hollow cathode lamp; Air filter
Optional Accessories	Graphite Furnace 4510GF; Hollow cathode lamp(Ag, Au, Ca, Cd, Cr, Fe, Hg, K, Au, Mg, Mn, Na, Ni, Pb, Zn, Sb, etc), Graphite tubes, Recirculating cooling water system, Hydride generator, Autosampler

Flame System:

Acetylene Air Burner	100mm
Ignition Dynamic Baseline Drift	≤0.006A/30min
Characteristic Concentration	≤0.025μg/ml/1%(Cu)
Related Standard Deviation of the Accuracy	≤0.5%(Cu, absorbance＞0.8A) (detection limit Cu≤0.008μg/ml)
Safety System	Can automatically cut off the gas when the pressure is not enough, the power is off, flameout and unconformity of the burner.

Graphite Furnace(Optional):

Max. Temperature	3000℃
Max Heating Speed	≥2000℃/S
Characteristic Quantity	Cd≤0.5*10^{-12}g Cu≤0.5*10^{-11}g
Accuracy	Cu≤3% Cd≤3%
Safety System	Over current protection Low air pressure alarm/protection; Low cooling water flow alarm/protection
Power Supply	220V, 50Hz
Consumption	7000W
Packing Size(W*D*H) mm	740*640*700
Gross Weight(kg)	90

BK-AA320N Atomic Absorption Spectrophotometer

Oil free air compressor
(standard accessories)

Features:

- **Build-in computer data processing and LCD display.**
- **Stability:** Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature and electronic circuit drift.
- **Quickly:** The cathode lamp does not need to be pre-heated for long time and sample can be analyzed immediately.
- **High precision of measurement:** Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.
- **High energy optical path.**
- **Long-life and anti-corrosive atomization system.**
- **Multi-functional analysis mode:** ① flame absorption, ② flame emission, ③ graphite furnace atomic absorption, ④ hydride generation.
- **Safe and reliable gas path system:** Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame and extend the analytic elements to reach more than 60.

Technical Parameters:

Model	BK-AA320N
Wavelength Range	190~900nm
Wavelength Accuracy	≤±0.5nm
Wavelength Repeatability	≤0.3nm (single direction)
Spectral Bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Grating	1800 lines/mm
Resolution	<40%
Base Line Stability	±0.004Abs/30min
Characteristic Concentration	≤0.04μg/ml/1% (Cu)
Detection Limit	≤0.008μg/ml (Cu)
Background Calibration	＞30 times
Power Supply	220V, 50Hz
Package Size(W*D*H)	1250*795*765mm (Main instrument), 545*445*1385mm (Accessories)
Gross Weight	138kg (Main instrument), 56kg (Accessories)
Standard Accessories	RS232 serial port, Oil-free air compressor, Glass Atomizer, Cu Hollow cathode lamp, Atomizer unit Burner unit Dust cover, Water-separating gas filter, Titanium burner-10cm
Optional Accessories	Software, Model GA3202 HGA graphite furnace system, Hydride generator, Graphite tubes, Recirculating cooling water system, Hollow cathode lamp(Ag, Au, Ca, Cd, Cr ,Fe, Hg ,K ,Mg ,Mn, Na, Ni, Pb, Zn, AS, etc)

NIR Spectrophotometer

NIR spectrophotometer, mainly used for liquid samples qualitative and quantitative analysis, applies to gasoline, drinks, milk and other areas of nutrients, water chemistry and other physical properties of the rapid non-destructive analysis determination.

The instrument monitors the ambient temperature and humidity in real time and stores it in the spectrum file, which is convenient for users to check and optimize the measurement conditions.

Features:

- Single-channel whole spectrum scanning.
- Built-in high-quality PTFE reference module and polystyrene wavelength standard filter.
- Automatic reference calibration and monitoring wavelength.

Technical Parameters:

Model	BK-S430
Optical system	Grating monochromator
Wavelength Scanning Interval	8nm
Wavelength Range	900~2500nm
Wavelength Accuracy	≤ 0.2nm
Wavelength Reproducibility	≤0.05 nm
Stray Light	≤0.1%
Scanning Time	1 minute or adjustable
Noise	≤0.0005 Abs
Interface	USB
Standard Accessories	2*1cm quartz square sample cell , 2*1mm quartz micro sample cell
Optional Accessories	Laptop
Power Supply	110V/220±10%, 60/50Hz
Packing size	535*500*380mm
Gross Weight	12kg

Rotary Evaporator

RE-2010 Rotary Evaporator

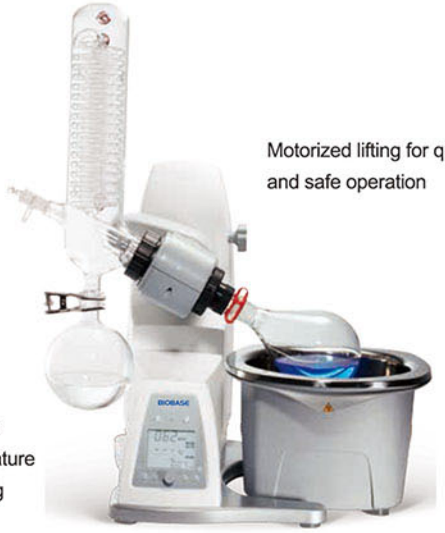
Features:

- ＊ Double sealing rings with Teflon and Viton makes vacuum up to -0.098Mpa.
- ＊ Intelligent temperature control and digital temperature display.
- ＊ High evaporating and recovery collecting rate.
- ＊ Overloading protect function.
- ＊ Expandable module design.
- ＊ Stepless speed controller.

Technical Parameters:

Model	RE-2010
Rotary Bottle	1L 24# (standard size)
Collecting Bottle	1L 35# (ball mill mouth)
Condenser	Vertical φ80*370mm
Charging Valve	19# (standard size)
Rotating Speed	0~200rpm
Vacuum	-0.098Mpa
Temp. Range	RT~99℃
Temp. Accuracy	±1℃
Stroke Height	100mm+150mm(sliding + manual)
Rotary Motor	40W
Heating Power	1.3KW
Water Evaporating Speed	20ml/min
Vacuum Sealing	Double sealing rings made of Teflon+ Viton materials
Shelf Material	Aluminum alloy
Chamber Material	Aluminum alloy +Teflon φ240*140mm
Power Supply	AC220/110 V±10%,50/60 Hz
External Size(W*D*H)	570*400*630~880mm
Package Size(W*D*H)	730*550*400mm
Gross Weight	16Kg
Standard Accessory	1L Rotary Bottle*1, 1L Collecting Bottle*1
Optional Accessory	Vacuum pump, Recirculating chiller

Rotary Evaporator (New Design)


Patented condenser
with cooling surface
1700cm²
Motorized lifting for quick
and safe operation
Chemical-resistant
double PTFE sealing
Large 5L water-oil
heating bath
Large digital LCD screen
displays heating temperature
rotation speed and timing
Designed a detachable
operating panel allows
remote control
BIOBASE

Features:

- ＊ Evaporating flask with an ejector, convenient to remove.
- ＊ 5L water and oil bath dual-purpose heating pot, heating temperature can reach180°C, easy to switch between water and oil bath heating modes.
- ＊ Patented technology condenser, high recovery rate, condensing effect Outstanding.

Technical Parameters:

Model	RE 100-Pro
Item No.	6010110111
Evaporating Flask	1L(NS 29/32, 18300120)
Receiving Flask	1L(KS 35/20, 18300110)
Display	LCD
Rotating Speed	20~280rpm
Temp. Range	RT~180℃
Temp. Accuracy	Water bath：±1℃; Oil bath：±3℃
Lift	Motor
Stroke Height	150mm
Timing Range	1~999min
Motor	DC brushless motor
Heating Power	1300 W
Stroke Displacement	Automatic 150mm
Protection Class	IP20
Rotation	Reversible Direction
Interface	USB
Power	1400W
Power Supply	AC110/220V±10%, 50/60Hz(Customizable)
External Size(W*D*H)	465*457*583 mm
Package Size(W*D*H)	640*1100*650mm
Net Weight	15kg
Gross Weight	36kg
Standard Accessory	Condenser(1700cm^2)*1, 1L Evaporating flask*1, 1L Receiving flask*1, 5L pot*1
Optional Accessory	Vacuum pump, Recirculating chiller

Explosion-proof Rotary Evaporator

Features:

- ＊ LED display.
- ＊ Explosion-proof motor.
- ＊ Explosion frequency inverter.
- ＊ Explosion auto temperature controller.
- ＊ Stepless speed controller.
- ＊ Auto-lifting bath is optional
- ＊ Stainless steel and aluminium alloy structure
- ＊ Anti-corrosive PTFE sealing good performance.

Technical Parameters:

Model	ExRE-1002	ExRE-2002	ExRE-5003
Rotary Bottle	10L (flange Ø95)	20L (flange Ø95)	50L (flange Ø125)
Collecting Bottle	5L (flange φ60-50)	10L (flange φ60-50)	20L (flange φ60-50)
Condenser	Vertical three backflow , φ120*620mm(main), φ135*475mm(SUB)	Vertica lthree backflow , φ130*700mm(main), φ160*530mm(SUB)	Vertical three backflow, φ160*835mm(main), φ160*530mm(SUB)
Charging Valve	34# (standard size)		40# (standard size)
Rotating Speed	0~120 rpm		
Vacuum	-0.095 Mpa		
Temp. Range	RT~180℃		
Temp. Accuracy	±1℃		
Rotating Power	120W		180W
Heating Power	3KW	5KW	8KW
Power Supply	AC220/110V±10%, 50/60 Hz	AC220V±10%, 50/60 Hz	AC220V±10%, 50 Hz or 380V, 50Hz
External Size(W*D*H)	930*560*1910 mm	1000*600*2130 mm	1330*730*2340 mm
Package Size(W*D*H)	1320*780*755 mm	1350*670*720mm 680*680*790 mm	1420*820*720 mm 830*730*910 mm
Gross Weight	116kg	143kg	195kg
Standard Accessory	10L rotary bottle*1, 5L collecting bottle*1,	20L rotary bottle*1, 10L collecting bottle*1	50L rotary bottle*1, 20L collecting bottle*1
	Explosion-proof transducer, Explosion-proof motor EX120W		
Optional Accessory	Double collection bottle, Auto-lifting, Vacuum pump, Recirculating chiller		

Small Capacity Rotary Evaporator

RE-2000A/B

RE-2000E

RE-52A/C

RE-5299

Features:

- ＊ Intelligent temperature control and digital temperature display.
- ＊ Stepless speed controller.
- ＊ Teflon Sealing and host automatically

Technical Parameters:

Model	RE-2000A	RE-2000B	RE-2000E	RE-52A	RE-52C	RE-5299
Rotary Bottle	1L 24# (standard size)					
Collecting Bottle	1L 35# (ball mill mouth)			0.5L 24# (standard size)		
Condenser	Vertical φ85*430mm,			Vertical φ85*450mm, 29#(standard size)		
Charging Valve	19# (standard size)			19# (standard size)		
Rotating Speed	0~200rpm			0~120rpm		
Vacuum	-0.098Mpa					
Temp. Range	RT~99℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm			150mm		
Rotating Power	40W			30W		
Heating Power	1.5KW			1KW		
Shelf Material	Aluminum alloy			Powder coating anticorrosive		
Chamber Material	Teflon φ235*145mm			SS Φ220*120mm		SS Φ245*140mm
Power Supply	AC220/110V±10%, 50/60Hz					
External Size(W*D*H)	630*400*690-810mm			640*430*860-1010mm		660*440*880-1030 mm
Package Size(W*D*H)	620*620*490mm			600*460*470mm		
Gross Weight	25kg		23kg	19kg	20kg	20kg
Standard Accessory	1000ml rotary bottle*1, 500ml recycling bottle*1					
Optional Accessory	RT~400℃ oil bath, 304 SS bath, Transparent bath cover, Vacuum pump, Recirculating chiller			RT~400℃ oil bath, Transparent bath cover, Vacuum pump, Recirculating chiller		

Rotary Evaporator

RE-201D

RE-301

RE-501

RE-1002/2002

RE-5003

Features:

- ∗ Electronic stepless speed control.
- ∗ LED display
- ∗ Optional explosion-proof function.(eg. RE-301, RE-501, RE-1002, RE-3002, RE-5003)

Technical Parameters:

Model	RE-201D	RE-301	RE-501	RE-1002	RE-2002	RE-5003
Rotary Bottle	1L 24#standard mouth	3L flange Ø50	5L flange Ø50	10L flange Ø95	20L flange Ø95	50L flange Ø125
Collecting Bottle	1L 35# (ball mill mouth)	2L 35# (ball mill mouth)	3L 35# (ball mill mouth)	5L (flange φ60-50)	10L flange Ø60	20L (flange φ60-50)
Condenser	Vertical φ85*430mm,35# (ball mill mouth)	Vertical φ100*530mm	Vertical φ100*530mm	Vertical three backflow φ120*620mm (main), φ135*475mm (SUB)	Vertical three backflow φ130*700mm (main), φ160*530mm (SUB)	Vertical three backflow φ160*835mm (main), φ160*530mm (SUB)
Charging Valve	19# (standard size)			34# (standard size)		40# (standard size)
Rotary Speed	0~120rpm					
Vacuum	0.098Mpa			0.095 Mpa		
Temp. Range	RT~180℃					
Temp. Accuracy	±1℃					
Stroke Height	200mm			180mm		
Rotary Power	40W	40W		120W		180W
Heating Power	1KW	2KW		3KW	5KW	8KW
Shelf Material	Stainless steel			Coating anticorrosive		
Chamber Material	SS 245*140mm	SS 265*160mm	SS 280*170mm	SS 350*220mm	SS 450*260mm	SS 550*320mm
Plate Size	280*330mm	350*330mm		534*504mm	474*474mm	550*320mm
Power Supply	AC220/110V±10%,50/60Hz				AC220V±10%,50/60Hz	AC380V/220V±10%,50Hz
External Size(mm)	700*330*785	740*330*970	760*330*1030	930*560*1910	1000*600*2130	1330*730*2340
Package Size(mm)	600*460*470	990*620*470		1320*780*755	1350*670*720 680*680*790	1420*820*720 830*730*910
Gross Weight	21kg	40kg	42kg	107kg	136kg	186kg
Standard Accessory	1L Rotary bottle*1; 1L Collecting bottle*1	3L Rotary bottle*1; 2L Collecting bottle*1	5L Rotary bottle*1; 3L Collecting bottle*1	10L Rotary bottle*1; 5L Collecting bottle*1	20L Rotary bottle*1; 10LCollecting bottle*1	50L Rotary bottle*1; 20LCollecting bottle*1
Optional Accessory	Transparent bath cover, Explosion-proof transducer	Explosion-proof transducer, Explosion-proof motor EX40W		Explosion-proof transducer, Double collection bottle, Auto-lifting, Explosion-proof motor EX120W		
	Vacuum pump, Recirculating chiller					

Water Circulating Vacuum Pump

SHZ-DIII

SHZ-95B

Technical Parameters:

Model	SHZ-DⅢ (Four gauge four pumping)	SHZ-95B
Pump Head	4	5
Speed of Evacuation	10L/Min	
Vacuum	−0.098Mpa	\
Circulating Pump Flow	40L/min	80L/min
Pump Lift	12m	
Material	Anti-corrosion	Anti-corrosion or Stainless Steel
Consumption	370W	370W
Capacity	15L	50L
Power Supply	AC220/110V±10%, 50/60Hz	
Package Size(W*D*H)	435*340*500mm	520*430*900mm
Gross Weight	12kg	30kg
Applicable Rotary Evaporator Model	RE-2010, RE 100-Pro, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE-301, RE-501	ExRE-1002, ExRE-2002, ExRE-5003, RE-1002, RE-2002, RE-5003

Note: Vacuum pump does not have the function of adjusting vacuum degree, if you need this function you should be match the vacuum control instrument.

Chiller

Recirculating Chiller

CCA-420

DLSB Series

Technical Parameters:

Model	CCA-420	DLSB-5/20	DLSB-20/40
Temp. Display	LED display		
Tank Volume	4L	6.8L	20L
Matching Reaction Kettle(Steam)	1~2L	1~5L	20L
Tank Material	304 Stainless Steel	201 Stainless Steel	
Tank Size	250*130*130mm	Φ220*180mm	Φ300*300mm
Temp. Control Accuracy	±0.1℃		
Display Temp. Resolution	0.1℃		
Pump Lift	1.5~2.7m	4~6m	
Circulating Pump Flow	8~16L/min	20~40L/min	
Refrigerant	R134A	R22	
Refrigerating Capacity	1550~500W	2324~735W	6972~2205W
Pressure	≤0.4Mpa		
Ambient Relative Humidity	(60~80%)Ventilation		
Instrument Temp. Control Range	-20℃~RT		-40℃~RT
Optimum Ambient Temp.	5~35℃		
Unload Min Temp.	-20℃	-20℃	-42℃
Circulation Pump Power	100W		
Circulating Pump	Magnetic pump	Fully-closed &No-leaked special pump	
Circulating Water Mouth Interface	Outer diameter11 mm/ Inner diameter7mm	\	
Sensor	PT100		
Coil Diameter	\	Φ185mm	Φ255mm
Opening Size	\	Φ200mm	Φ250mm
Power Supply	AC220V±10%, 50/60Hz	AC220±10%, 50/60Hz; AC110±10%, 60Hz	AC220V±10%, 50/60Hz

Model	CCA-420	DLSB-5/20	DLSB20/40
Secure Protection	Overload protection, Overheating protection, Refrigerator delay protector	Leakage, overload circuit breaker, Overload relay circuit, Refrigerator protection timer, Circulating pump thermal protector, Refrigerator high-pressure pressure switch, Temperature control self-diagnosis function	
External Size(W*D*H)mm	520*250*560	485*423*(760+400)	590*670*(975+500)
Package Size(W*D*H)mm	580*310*560	595*435*880	720*590*1140
Gross Weight(kg)	30	68	133
Accessories	In and out joint *1, silicone pipe insulation*2	In and out joint *1, Vertical rod*1, Thermal insulation pipe*2	
Applicable Rotary Evaporator Model	RE-2010, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE 100-Pro	RE-301, RE-501	RE-1002, ExRE-1002, RE-2002

Recirculating Chiller

Corollary Equipment:

Kjeldahl Apparatus, Soxhlet Extractor, Crude Fiber Analyzer, AAS, ICP-MS, Electrophoresis System, Rheometer, Automatic Synthesizer, Fermentation Apparatus, Rotary Evaporator, Extraction and Condensation Device, SPE Apparatus.

Features:

- ＊ Cooling system adopt TECUMSEH compressor in order to ensure cooling efficiency, and reduce noise.
- ＊ PID temperature controlling technology is adopted. Cooling method is not the traditional start-stop type, EEV technology improve the stability.
- ＊ Over-temperature protection and auto-alarm function is used in refrigeration control system to avoid damage temperature medium caused by abnormal liquid temperature value.
- ＊ Water level observation window and automatic water level detection device, automatic alarm when low liquid level.
- ＊ Water current detection device is adopted. When external cycle closed or blocked, internal cycle will be switched automatically.
- ＊ High performance circulating water pump guarantee the long time continuous running, and good sealing avoid leakage. The pressure of pump is 0~1.5 bar, adjustment is available by rotary knob. Pressure value is displayed.
- ＊ Color LCD screen display more running data and dynamic identifier. Easy to monitor.

Technical Parameters:

Model	BK-RC1200
Temp. Control Range	5°C ~ 40°C
Temp. Control	PID
Temp. Stability	±0.3°C
Temp. Sensor	PT100
Display Resolution	0.1°C
Pump Flow Rate	20L/min
Cooling Consumption	1.2KW
Refrigerant	R134a
Pump Capacity Pressure	0~1.5 bar
Filling Volume	8L
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	550*400*650mm
Package Size(W*D*H)	810*640*980mm
Gross Weight	87kg

LCD display

Pressure gauge

Castor

Pipettes

Micro Pipette(Disinfection of Half)

0.5-10µl
2-20µl
10-100µl
20-200µl
100-1000µl

Application:

Mechanical Pipette is suitable for pharmaceutical R&D centers, school laboratories, pharmaceutical and chemical R&D companies, chemical synthesis and other places.

Features:

- ∗ Light weight and ergonomic design to ensure a better sense of use.
- ∗ Digital display, easy to read data.
- ∗ The pipettes cover volume range of 0.5µl to 1ml.
- ∗ Easy to calibrate and maintain.
- ∗ The low part can be autoclaved without affecting performance and comfort.
- ∗ Manufactured from innovative materials.

Technical Parameters:

Volume	Increment	Test Volume(µl)	Capacity Tolerance(%)	Test Repeatability(%)
0.5-10µl	0.1µl	1	±2	≤3
		5	±1.5	≤2
		10	±1	≤2
2-20µl	0.1µl	2	±2	≤3
		10	±1.5	≤2
		20	±1	≤2
10-100µl	1µl	10	±2	≤2
		50	±1.5	≤1
		100	±1	≤1
20-200µl	1µl	20	±2	≤2
		100	±1.5	≤1
		200	±1	≤1
100-1000µl	5µl	100	±2	≤1
		500	±1	≤0.5
		1000	±1	≤0.5

Micro Pipette(Disinfection of the Whole)

0.5-10µl
2-20µl
10-100µl
20-200µl
100-1000µl

Application:

Micro Pipette is suitable for pharmaceutical R&D centers, school laboratories, pharmaceutical and chemical R&D companies, chemical synthesis and other places.It is often used in the laboratory to pipette a small amount of liquid or a small amount of liquid. The specifications are different, and the pipette tips of different specifications are matched with different sizes of pipette tips.

Features:

- ∗ The pipettes are autoclavable in their entirety without compromising performance or comfort.
- ∗ Light weight and ergonomic design to ensure a better sense of use.
- ∗ The pipettes cover volume range of 0.5µl to 1ml.
- ∗ The interior of the product has good air tightness, stable and accurate, and no liquid leakage.
- ∗ Easy to calibrate and maintain.
- ∗ Digital display, easy to read data.

Technical Parameters:

Volume	Increment	Test Volume(µl)	Capacity Tolerance(%)	Test Repeatability(%)
0.5-10µl	0.1µl	1	±12	≤6
		5	±8	≤4
		10	±8	≤4
2-20µl	0.1µl	2	±12	≤6
		10	±8	≤4
		20	±4	≤2
10-100µl	1µl	10	±8	≤4
		50	±3	≤1.5
		100	±2	≤1
20-200µl	1µl	20	±4	≤2
		100	±2	≤1
		200	±1.5	≤1
100-1000µl	5µl	100	±2	≤1
		500	±1	≤0.5
		1000	±1	≤0.5

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TopPette-Mechanical Pipettes

Features for TopPette:

- ＊ Light weight, ergonomic, low force design
- ＊ Digital display clearly reads volume setting
- ＊ The pipettes cover volume range of 0.1μl to 10ml
- ＊ Easy to calibrate and maintain
- ＊ The lower part is autoclavable
- ＊ Design helps avoid repetitive strain injuries

Features for Multi-channel TopPette:

- ＊ 8 and 12 channel pipettes are available for standard 96-well plate
- ＊ Dispensing head rotates ensures optimum pipetting convenience
- ＊ Individual piston/tip cone assemblies allow easy repair and maintenance
- ＊ Compound material tip cone design allows visual seal vertification
- ＊ Universal pipette tips can be used

MicroPette Mechanical Pipettes

Features for MicroPette:

- ＊ Light weight, ergonomic, low force design
- ＊ Digital display clearly reads volume setting
- ＊ The pipettes cover volume range of 0.1μl to 10ml
- ＊ Easy to calibrate and maintain
- ＊ The lower part is autoclavable
- ＊ Design helps avoid repetitive strain injuries
- ＊ Manufactured from innovative materials

Features for multi-channel MicroPette:

- ＊ 8 and 12 channel pipettes are available for standard 96-well plate
- ＊ Dispensing head rotates for optimum pipetting convenience
- ＊ Individual piston and tip cone assemblies allow easy repair and maintenance
- ＊ Compound material tip cone design allows visual seal verification
- ＊ Universal pipette tips can be used

MicroPette Plus Autoclavable Pipette

Fully Autoclavable:

The MicroPette plus pipettes can be fully autoclaved at 121℃, 1 atm for less than 20 mins. The pipettes can be autoclaved without special preparations. After autoclaving the pipette must be cooled down and dried over 12 hours.

Features for MicroPette plus:

- ＊ Fully autoclavable
- ＊ Light weight, ergonomic, low force design
- ＊ Digital display clearly reads volume setting
- ＊ The pipettes cover volume range of 0.1μl to 10ml
- ＊ Easy to calibrate and maintain
- ＊ Design helps avoid repetitive strain injuries
- ＊ Manufactured from innovative materials

Features for multi-channel MicroPette plus:

- ＊ 8 and 12 channel pipettes are available for standard 96-well plate
- ＊ Individual piston and tip cone assemblies allow easy repair and maintenance
- ＊ Compound material tip cone design allows visual seal verification
- ＊ Universal pipette tips can be used
- ＊ Dispensing head rotates for optimum pipetting convenience

Note: It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after each 10 autoclaving.

Technical Parameters:

TopPette Mechanical Pipettes/ MicroPette Mechanical Pipettes / MicroPette Plus Autoclavable Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume(µl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.1-2.5µl	0.05µl	2.5	2.50%	0.0625µl	2.00%	0.05µl
		1.25	3.00%	0.0375µl	3.00%	0.0375µl
		0.25	12.00%	0.03µl	6.00%	0.015µl
0.5-10µl	0.1µl	10	1.00%	0.1µl	0.80%	0.08µl
		5	1.50%	0.075µl	1.50%	0.075µl
		1	2.50%	0.025µl	1.50%	0.015µl
2-20µl	0.5µl	20	0.90%	0.18µl	0.40%	0.08µl
		10	1.20%	0.12µl	1.00%	0.1µl
		2	3.00%	0.06µl	2.00%	0.04µl
5-50µl	0.5µl	50	0.60%	0.3µl	0.30%	0.15µl
		25	0.90%	0.225µl	0.60%	0.15µl
		5	2.00%	0.1µl	2.00%	0.1µl
10-100µl	1µl	100	0.80%	0.8µl	0.15%	0.15µl
		50	1.00%	0.5µl	0.40%	0.2µl
		10	3.00%	0.3µl	1.50%	0.15µl
20-200µl	1µl	200	0.60%	1.2µl	0.15%	0.3µl
		100	0.80%	0.8µl	0.30%	0.3µl
		20	3.00%	0.6µl	1.00%	0.2µl
50-200µl	1µl	200	0.60%	1.2µl	0.15%	0.3µl
		100	0.80%	0.8µl	0.30%	0.3µl
		50	1.00%	0.5µl	0.40%	0.2µl
100-1000µl	5µl	1000	0.60%	6µl	0.20%	2µl
		500	0.70%	3.5µl	0.25%	1.25µl
		100	2.00%	2µl	0.70%	0.7µl
200-1000µl	5µl	1000	0.60%	6µl	0.20%	2µl
		500	0.70%	3.5µl	0.25%	1.25µl
		200	0.90%	1.8µl	0.30%	0.6µl
1000-5000µl	50µl	5000	0.50%	25µl	0.15%	7.5µl
		2500	0.60%	15µl	0.30%	7.5µl
		1000	0.70%	7µl	0.30%	3µl
2-10ml	0.1ml	10ml	0.60%	60µl	0.20%	20µl
		5ml	1.20%	60µl	0.30%	15µl
		2ml	3.00%	60µl	0.60%	12µl

Note: 2~10ml is not available for micropette plus autoclaveable pipettes.

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume(µl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.5-10µl	0.1µl	10	1.50%	0.15µl	1.50%	0.15µl
		5	2.50%	0.125µl	2.50%	0.125µl
		1	4.00%	0.04µl	4.00%	0.04µl
5-50µl	0.5µl	50	1.00%	0.5µl	0.50%	0.25µl
		25	1.50%	0.375µl	1.00%	0.25µl
		5	3.00%	0.15µl	2.00%	0.1µl
50-300µl	5µl	300	0.70%	2.1µl	0.25%	0.75µl
		150	1.00%	1.5µl	0.50%	0.75µl
		50	1.50%	0.75µl	0.80%	0.4µl

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume(µl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.5-10µl	0.1µl	10	1.50%	0.15µl	1.50%	0.15µl
		5	2.50%	0.125µl	2.50%	0.125µl
		1	4.00%	0.04µl	4.00%	0.04µl
5-50µl	0.5µl	50	1.00%	0.5µl	0.50%	0.25µl
		25	1.50%	0.375µl	1.00%	0.25µl
		5	3.00%	0.15µl	2.00%	0.1µl
50-300µl	5µl	300	0.70%	2.1µl	0.25%	0.75µl
		150	1.00%	1.5µl	0.50%	0.75µl
		50	1.50%	0.75µl	0.80%	0.4µl

Fixed Volume Pipettes

Volume Range	Increment	Test Volume(µl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
5µl	/	5µl	1.3%	0.065µl	1.2%	0.06µl
10µl	/	10µl	0.8%	0.08µl	0.8%	0.08µl
20µl	/	20µl	0.6%	0.12µl	0.5%	0.1µl
25µl	/	25µl	0.5%	0.125µl	0.3%	0.075µl
50µl	/	50µl	0.5%	0.25µl	0.3%	0.15µl
100µl	/	100µl	0.5%	0.5µl	0.3%	0.3µl
200µl	/	200µl	0.4%	0.8µl	0.2%	0.4µl
250µl	/	250µl	0.4%	1.0µl	0.2%	0.5µl
500µl	/	500µl	0.3%	1.5µl	0.2%	1.0µl
1000µl	/	1000µl	0.3%	3.0µl	0.2%	2.0µl
2000µl	/	2000µl	0.3%	6.0µl	0.15%	3.0µl
5000µl	/	5000µl	0.3%	15µl	0.15%	7.5µl

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Levo Plus Pipette Filler

Features:

- ＊ Volume range of 0.1-100ml
- ＊ One-handed operation
- ＊ Light weight, ergonomic design
- ＊ Efficient lithium-ion battery offers long runtime on each charge
- ＊ Low battery alarm
- ＊ Powerful motor fills a 25ml pipette within 5 seconds
- ＊ Integral and replaceable 0.45um filter
- ＊ Large LCD display
- ＊ Eight speeds are available for aspirating and dispensing liquid

Technical Parameters:

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Website: www.biobase.com / www.meihuatrade.com

Item No.	7013110100
Aspirate Speeds	25mL<5s (6 shift)
Dispense Speed	Motor (6 shift)/Gravity
Battery	Lithium-Ion
Battery Working Time	8 hours of intermittence use
Charging Time	Approx 2 hours
Pipette	Glass or Plastic Pipette(0.1-100ml), Pasteur Pipettes
Filter	0.45 μm Hydrophobic

Ordering information:

Cat No.	Descriptions
7013110100	Levo Plus with AC adapter, spare 0.45um filter and wall stand, Euro plug
	Levo Plus with AC adapter, spare 0.45um filter and wall stand, North-America plug
	Levo Plus with AC adapter, spare 0.45um filter and wall stand, UK plug
Standard accessories	
17400032	Levo Plus charger
17000205	Levo Plus Lithium battery
17000103	Filter 0.45um, 1pc/pk

Electonic Pipette

Features:

- ＊ A motor drive digital control pipette with multifunction Pipetting, Mixing, Stepper and Dilution.
- ＊ 2 buttons handle all operation and setting.
- ＊ Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting.
- ＊ High accuracy, high performance stepper motor assures precision and repeatability and eliminates manual pipetting errors.
- ＊ A wide range of pipetting modules for selection.
- ＊ Adjustable speeds for aspiration and dispensing.
- ＊ Li-ion battery and two charging mode enable longer operation time.
- ＊ Self calibration – By link it to a PC and a balance with USB connector, user can calibrate pipette by himself. No need to send it to the third party for calibration.

Technical Parameters:

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Volume Range	Increment	Test Volume	Inaccuracy		Imprecision	
		μL	μL	%	s.d.*μL	CV*%
0.5-10μL	0.01μL	10	±0.10	±1.0	0.05	0.5
		1	±0.035	±3.5	0.03	3.0
5-50μL	0.1μL	50	±0.40	±0.8	0.15	0.3
		5	±0.15	±3.0	0.125	2.5
30-300μL	1μL	300	±1.8	±0.6	0.6	0.2
		30	±0.9	±3.0	0.21	0.7
100-1000μL	5μL	1000	±6.0	±0.6	2.0	0.2
		100	±3.0	±3.0	0.6	0.6

*s.d. = Standard Deviation *CV = Coefficient of Variation

Pipette Stand

The round stand can be applied to the three major pipette series-TopPette, MicroPette and MicroPette Plus. It can stably and conveniently hang up to 6 single-channel and multi-channel pipettes at the same time.

The linear stand can be applied to the three major pipette series-TopPette, MicroPette and MicroPette Plus. It can stably and conveniently hang up to 6 single-channel and multi-channel pipettes at the same time.

The linear and round stands have been designed to fit perfectly of BIOBASE Pipette range, TopPette,MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are convenient to hold up 6 pipettes both of single and multi-channel.

Ordering Information:

Cat. No	Descriptions
7010000084	Round stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus
7010000085	Linear stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus

Dispenser

DispensMate Bottle-Top Dispenser

Features:

- ＊Excellent chemical resistance
- ＊Fully autoclavable at 121℃
- ＊Easy to clean and maintain
- ＊Made of PTFE、FEP、BSG、PP
- ＊Four ranges of bottle-top dispenser cover a volume range from 0.5ml to 50ml
- ＊The optional flexible discharge tube with safety handle permits fast and precise dispensing
- ＊Vapor pressure Max. 500mbar, viscosity max. 500mm2/s, temperature max. 40℃, density max. 2.2g/cm3
- ＊DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

Technical Parameters:

Volume Range	Graduation	A≤±		CV≤	
0.5-5ml	0.1ml	0.5%	25μl	0.1%	5μl
1.0-10ml	0.2ml	0.5%	50μl	0.1%	10μl
2.5-25ml	0.5ml	0.5%	125μl	0.1%	25μl
5.0-50ml	1.0ml	0.5%	250μl	0.1%	50μl

A = Accuracy; CV = Coefficient of variation.

Ordering Information:

Cat. No.	Volume Range
7012100101	0.5-5ml
7012100102	1-10ml
7012100103	2.5-25ml
7012200104	5-50ml

Cat. No.	Volume Range
Standard Accessories	
17000069	S40, Adapter, 45/40mm
17400017	GL32, Adapter, 45/32mm
17400018	GL38, Adapter, 45/38mm
17400019	GL25, Adapter, 32/25mm
17400020	GL28, Adapter, 32/28mm
17400021	Filling tube (m)
17400073	Discharge tube (m)
Optional Accessories	
17400037	Reagent Bottle (Brown, 1L)

Electronic Bottle-Top Dispenser

Features:

- ∗ Motor operation minimizes the grip force.
- ∗ Electronic control decreases the repetitive strain injury.
- ∗ Remote control panel prevents manual disturbance during operation.
- ∗ Two dispensing modes.
- ∗ Dispenser.
- ∗ Stepper function.

Technical Parameters:

Model	DFlow
Item No.	7012300001
Volume Range	0.01~99.99ml, Max piston lift is 10ml, resolution is 10µl
Volume Accuracy	R=0.2% CV=0.07%
Operating Temperature Range	10℃~30℃
Quality Control	DIN EN ISO 8655
Contro Type	External control, including the stirrer and the burette program

Bath / Circulator

Thermostatic Water Bath

SY-1L1H

SY-2L4H

SY-2L8H

Features:

- ∗ Stainless steel inner chamber and upper cover.
- ∗ Adopt new design structure, which could avoid the leakage of steam.
- ∗ PID mircoprocessor controller, LED display.
- ∗ With universal fixture for SY-1L4H and SY-1L6H.

Technical Parameters:

Model	SY-1L1H	SY-1L2H	SY-1L4H	SY-1L6H	SY-2L4H	SY-2L6H	SY-2L8H
Capacity	3L	6L	13L	20L	11L	18L	23L
Temp. Range	RT.-100℃						
Temp. Fluctuation	±0.5℃						
Temp. Accuracy	≤±1℃						
Time Range	0~999min						
Power	300W	500W	1000W	1500W	1000W	1500W	2000W
Power Supply	AC110/220V±10%, 50/60Hz						
Internal Size(mm)	160*160*130	300*160*130	600*180*130	900*180*130	300*300*130	470*300*130	610*300*130
External Size(mm)	200*200*220	345*210*220	770*230*170	1060*230*170	345*345*220	500*340*220	770*370*170
Packing Size(mm)	260*260*280	460*260*280	830*300*250	1150*300*250	400*400*280	600*400*280	830*460*250
Net Weight(kg)	2	4	10	13	6.5	9	12
Gross Weight(kg)	3	5	11	14.5	7.5	10	13

Constant Temperature Water Tank

WT-60

WT-42

Features:

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- ∗ Microprocessor control, LED display.
- ∗ Timing function and over-temperature protection.
- ∗ External material: Cold rolled steel with anti bacteria powder coating.
- ∗ Inner material: Stainless steel inner chamber.

Technical Parameters:

Model	WT-42	WT-60
Temp. Range	RT+5-100℃	
Temp. Fluctuation	≤±0.5℃	
Consumption	800W	1500W
Power Supply	AC110V/220V±10%, 50/60Hz	
Internal Size(L*W*H) mm	420*180*180	600*300*180
External Size(L*W*H) mm	580*250*270	760*370*270
Package Size(L*W*H) mm	640*310*310	820*440*310
Net Weight(kg)	10	15
Gross Weight(kg)	11	17

Thermostatic Shaking Water Bath

SWB-A/C

SWB-B

Features:

BIOBASE

- ∗ Microprocessor controller with LED display, high precision of controlling temperature.
- ∗ Advanced multipurpose stainless steel spring clip.

Technical Parameters:

Model	SWB-A	SWB-B	SWB-C
Temp. Range	RT~100℃		RT~99.9℃
Oscillation Amplitude	30mm	24mm	20mm
Rotary Speed	60~280rpm	50~280rpm	0~300rpm
Shaking Mode	Rotation oscillation, continuous	Rotation oscillation & reciprocating, continuous	Reciprocating, continuous
Timing	0-120min		
Consumption	1500w	1550w	1500w
Power Supply	AC 110/220V±10%, 50/60Hz		
Internal Size(L*W*H) mm	490*390*170	490*390*150	490*390*170
External Size(L*W*H) mm	720*480*520		
Packing Size(L*W*H) mm	800*596*560	800*590*580	800*590*560
Gross Weight(kg)	48	52	48

Thermostatic Shaking Water Bath

Features:

∗ Multi-stage speed, temperature and time control system. A variety of different speed, temperature, and time experiment modes can be set at one time, and the operation mode is automatically changed during operation.

∗ Ultra-low speed start, after the speed is out of control, it will automatically lock and the start speed can be adjusted.

∗ Silent fan design, forced convection mode and unique air duct design ensure good temperature uniformity.

∗ The user can freely set three operation modes: forward rotation, reverse rotation, and alternating forward and reverse rotation.

∗ LCD liquid crystal display, temperature, time and speed are displayed on the same interface.

Technical Parameters:

Model	SWB-301	SWB-302	SWB-303
Control	PID		
Display	LCD		
Shaking Mode	Rotatory shaking	Rotatory and Reciprocating shaking	Reciprocating shaking
Cyclotron Frequency Range	0; 20-300rpm/min (can do static culture, forward and reverse or alternate operation)		
Cyclotron Frequency Fensitivity	±1rpm		
Vibration Range	Φ26mm	Φ26mm or 26mm	26mm
Max. Capacity	100ml*24 or 250ml*15 or 500ml*11 or 1000ml*6(Optional)		
Standard Accessory	Spring net box or 100ml*24 or 250ml*15 or 500ml*11 or 1000ml*6		
Shaking Plate Size	498*316mm		
Timing Range	0-9999h/min		
Temp. Range	RT~100℃		
Temp. Accuracy	±0.1℃		
Temp. Uniformity	≤0.1℃(37℃)		
Consumption	1400W		
Power Supply	AC110V/220V±10%,50/60HZ		
External Size(W*D*H) (mm)	640*620*550		
Package Size(W*D*H) (mm)	830*790*720		
Gross Weight(kg)	100		

Oil Bath

Features:

- ∗ LED display
- ∗ Automatic protection for overheating
- ∗ Material:Main body is issteel plate with baking varnish; Internal is imported stainless steel
- ∗ Advanced recycle pump system ensures good evenness of temperature(OB-2)

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Technical Parameters:

Model	OB-1	OB-2
Temperature Range	RT~300℃	
Temperature Fluctuation	≤1℃	
Temperature Control Precision	≤1℃	
Heating Power	2000W	
Power Supply	110V/220V±10%,50/60HZ	
Circulatory System	None	Have
Circuation Pump Flow Rate	None	6L/min
Workroom Cubage	280*280*300mm³	300*300*280mm³
Package Size(W*D*H)	520*420*400mm	710*460*570mm
Gross Weight	15kg	33kg

Refrigerated and Heating Circulator

Refrigerated and Heating Circulator can be widely used in oil, physical, chemical, pharmaceutical, environmental protection and other fields of science, precision temperature control equipment.

Application:

Experiment that need heating and cooling, Fermentation Tank, Polarimeter, Refractometer, Spectrophotometer, Electrophoresis System, Chromatographic Column, Viscometer, Rotation Evaporation Instrument, Rheometer.

Features:

- ∗ LCD display
- ∗ Robust water tank: ultra-slushing and rust-proof
- ∗ Low Noise design: use high quality compressor and mute pump.
- ∗ Convenience function: Parameters memory function, temperature correction.
- ∗ PID temperature control system: control temperature stability accurately and fast.
- ∗ Multi-protection: Over-current protection, high and low temperature warning functions, dry-running protection.
- ∗ ECO-refrigerant R134a and high quality compressor guarantee the cooling system ecofriendly and powerful
- ∗ Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water.

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Technical Parameters:

Model	BKL6-05	BKH6-05	BKL6-20	BKH6-20
Working Temp. Range	-5°C ~ 100°C	-5°C ~ 200°C	-20°C ~ 100°C	-20°C ~ 200°C
Temp. Control	PID			
Temp. Stability	±0.03°C			
Temp. Sensor	PT100			
Display Resolution	0.1°C			
Heater Consumption	2000 W			
Cooling Consumption	250W			
Refrigerant	R134a			
Pump Capacity Pressure	0.35bar			
Pump Flow Rate	10L/min			
Ambient Temp.	-20 ~ 70°C			
Filling Volume	6L			
Power Supply	AC220V±10%, 50Hz			
Bath Opening(W*D)	160*160mm			
Bath Dimensions(W*D*H)	320*180*150mm			
External Size(W*D*H)	400*250*650mm			
Package Size(W*D*H)	590*420*960mm			
Gross Weight	46.5kg			

Pump

Vacuum Pump

GM-0.2

GM-0.33II

GM-0.33IIP

GM-0.5

GM-0.5P

GM-0.5II

GM-0.5IIP

GM-1.0

GM-1.0P

Features:

＊ Oil free, clean exhausted air by built-in filter.

＊ Automatic cooling exhaust system ensures 24h operation continuously.

＊ The pressure adjustable design can satisfy a certain range of vacuum and gas velocity. (This function does not apply to model GM-0.20)

＊ TEFLON surface treatment, anti-gas corrosion.

＊ Anticorrosive vacuum pump: GM-0.33IIP, GM-0.5P, GM-0.5IIP, GM-1.0P.

Technical Parameters:

Model	GM-0.20	GM-0.5II	GM-0.5	GM-0.33II	GM-1.0
Pump Head	1	2	1	1	2
Speed of Evacuation	15L/Min	30L/Min	30L/Min	20L/Min	60L/Min
Ultimate Pressure	≥0.075Mpa	≥0.095Mpa	≥0.08Mpa	≥0.08Mpa	≥0.08Mpa
Vacuum	250mbar	50mbar	200mbar	200mbar	200mbar
Pressure	≥30 Psi Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure
Inlet	φ6mm	φ6mm	φ6mm	φ6mm	φ6mm
Outlet	φ6mm	Silencer	φ6mm	Silencer	φ6mm
Working Temp.	7-40℃				
Body Temp.	<55℃				
Noise	<60dB				
Motor Power Consumption	75W	160W			
Power Supply	AC110/220V±10%, 50/60Hz				
Diaphragm	NBR				
Valves	/	NBR			
Net Weight(kg)	4	10	6.6	6.2	10
Gross Weight(kg)	4.5	11	7.6	7.5	11
External Size(L*W*H) mm	195*98*156	300*120*235	210*160*235	215*120*235	300*160*235
Package Size(L*W*H) mm	330*210*240	314*205*316	300*210*310	315*200*310	380*340*270

Standard Peristaltic Pump SPP Series

BIOBASE
SPP-BT100M
8.8.8.8

Features:

- ＊ LED display.
- ＊ Support RS485 / MODBUS communication protocol, analog control (0-5V, 0-10V, 4-20mA...) foot switch control.
- ＊ Program control.
- ＊ Memory function——data will be stored in time after power off.
- ＊ Full speed function——one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc.

Technical Parameters:

Model	SPP-BT100M	SPP-BT300M	SPP-BT600M
Pump Head	YZ1515x, YZ2515x, DG series(only SPP-BT100M)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	＜±0.5%		
Display	4-LED display		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental Conditions	Temperature: 0 ~ 40 ℃; Humidity: ＜ 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	234*154*143mm		254*184*150mm
Package Size(W*D*H)	393*243*243mm		403*283*253mm
Gross Weight	5.15kg		5.8kg

Pump Head:

BIOBASE
BIOBASE
YZ1515X

DG Series

BIOBASE
BIOBASE
YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	SPP-BT100M	SPP-BT300M	SPP-BT600M
		Speed Range Tubing	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
Pump Head& Single channel flow	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	DG-1(6)	0.5*0.8, 1*1, 2*1, 2.4*0.8, 3*1	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)		0.0015~27ml/min	/	/
	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Intelligent Flow Rate Peristaltic Pump FPP Series

Features:

- ＊ Storage function——user data storage function:(9 sets of filling data) , support RS485/MODBUS communication protocol, analog control ((0-5V, 0-10V, 4-20mA...).
- ＊ External control function——Multiple mode selection: communication mode, analog mode， foot switch control.Provide customized services.
- ＊ Memory function——data will be stored in time after power off.
- ＊ Calibration function——intelligent flow calibration: after setting the target flow, input the actual flow value, and the system will automatically carry out flow calibration to ensure the flow accuracy.
- ＊ Full speed function——one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc
- ＊ Suckback function——By setting Suckback angle and Suckback speed to prevent liquid dripping and ensure fluid accuracy.
- ＊ Lock screen function——lock screen design, error proof touch, application more secure.
- ＊ LCD touch screen, real-time display of operation status and working parameters.
- ＊ Whole housing design-stainless steel housing， sturdy and durable , multi-face seamless whole housing design, Long service life, high cost performance.

Technical Parameters:

Model	FPP-BT100LC	FPP-BT300LC	FPP-BT600LC
Pump Head	YZ1515x, YZ2515x, DG series(only FPP-BT100LC)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	＜±0.5%		
Display	LCD		
Back Suction Angle	10°~720°		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental Conditions	Temperature: 0 ~ 40 ℃; Humidity: ＜ 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	212*140*240mm		
Package Size(W*D*H)	363*253*353mm		
Gross Weight	6kg		6.9kg

Pump Head:

YZ1515X

DG Series

YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	FPP-BT100LC	FPP-BT300LC	FPP-BT600LC
		Speed Range Tubing	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
Pump Head& Single channel flow	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	DG-1(6)	0.5*0.8, 1*1, 2*1, 2.4*0.8, 3*1	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)		0.0015~27ml/min	/	/
	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Dispensing Peristaltic Pump DPP Series

Features:

- ＊ Storage function— —user data storage function:(9 sets of filling data) , support RS485/MODBUS communication protocol, analog control ((0-5V, 0-10V, 4-20mA...).
- ＊ External control function— —Multiple mode selection: communication mode, analog mode， foot switch control.Provide customized services.
- ＊ Memory function— —data will be stored in time after power off.
- ＊ Calibration function— —intelligent flow calibration: after setting the target flow, input the actual flow value, and the system will automatically carry out flow calibration to sure the flow accuracy.
- ＊ Full speed function— —one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc
- ＊ Suckback function— —By setting Suckback angle and Suckback speed to prevent liquid dripping and ensure fluid accuracy.
- ＊ Lock screen function— —lock screen design, error proof touch, application more secure.
- ＊ LCD touch screen, real-time display of operation status and working parameters.
- ＊ Whole housing design-stainless steel housing， sturdy and durable , multi-face seamless whole housing design, Long service life, high cost performance.

Technical Parameters:

Model	DPP-BT100FC	DPP-BT300FC	DPP-BT600FC
Pump Head	YZ1515x, YZ2515x, DG series(only DPP-BT100FC)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	<±0.5%		
Display	LCD		
Back Suction Angle	10°~720°		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental Conditions	Temperature: 0 ~ 40 ℃; Humidity: < 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	212*140*240mm		
Package Size(W*D*H)	363*253*353mm		
Gross Weight	6kg		6.9kg

Pump Head:

YZ1515X

DG Series

YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	DPP-BT100FC	DPP-BT300FC	DPP-BT600FC
		Speed Range Tubing	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
Pump Head& Single channel flow	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	DG-1(6)	0.5*0.8, 1*1, 2*1, 2.4*0.8, 3*1	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)		0.0015~27ml/min	/	/
	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Dispensing Peristaltic Pump BT-F Series

Features:

- True color LCD display, touch screen and button operation;
- LF-touch-OS software system, efficient and stable, with good human-computer interaction mode, convenient product customization and upgrade;
- With liquid allocation, time allocation, copy allocation of three working modes;
- Pre-store five groups of assignment parameters for various working modes;
- Motor precise rotation Angle control technology reduces the traditional time control distribution mode due to motor slow start and other factors
- The distribution error caused by;
- With start-stop, positive and negative rotation, full speed, speed regulation, state memory and other basic functions;
- Speed resolution of 0.1rpm;
- Flow display, flow control, fluid accumulation;
- With flow correction function;
- Peristaltic pump expert system for maximum user convenience;
- Intelligent temperature control function to minimize the noise of peristaltic pump;
- External high& low-level control start and stop, positive and negative, simple packing, optical coupling isolation; External control analog quantity to adjust the speed;
- RS485 communication, compatible with Modbus protocol, convenient to connect with various control devices;
- The internal structure adopts double-layer isolation design, and the circuit board is sprayed with three-proof paint process to achieve dustproof and moisture-proof effect;
- Strong anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- The driver shell is made of ABS engineering plastic, streamline design, beautiful and practical;
- Multiple pump heads can be installed for different combination of pump heads and drivers;
- The function of distributing filling can be realized through the external pedal switch to control the start and stop

Technical Parameters

Model	BT101F	BT301F	BT601F
Flow Range	0.0001～720ml/min	0.006～1690ml/min	0.006～2900ml/min
Rotation Range	0.1～150rpm	0.1～350rpm	0.1～600rpm
Speed Resolution	0.1rpm		
Dispensed Liquid Volume Range	0.05ml～9999l		
Dispensed Frequency Range	1 to 999 times, "0" means infinite loop		
Dispensed Interval Time	0.1～999.9 seconds/minute/hour, time unit is adjustable		
Speed Accuracy	<±0.2%		
Power Supply	AC100～240V，50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional);		
Communication Interface	external control analog 0-5V (standard), 0-10V, 4-20mA (optional) RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0～40℃, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:

DG type

DT type

YZ15/YZ25

YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
BT101F	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0001～41
	DT10-18	1	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	DT10-28	2	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	YZ15	1	13#14#19#16#25#17#	0.006～420
	YZ25	1	15#24#	0.16～420
	YT15	1	13#14#19#16#25#17#18#	0.006～570
	YT25	1	15#24#35#36#	0.17～720
BT301F	YZ15	1	13#14#19#16#25#17#	0.006～990
	YZ25	1	15#24#	0.16～990
	YT15	1	13#14#19#16#25#17#18#	0.006～1300
	YT25	1	15#24#35#36#	0.16～1690
BT601F	YZ15	1	13#14#19#16#25#17#	0.006～1700
	YZ25	1	15#24#	0.16～1700
	YT15	1	13#14#19#16#25#17#18#	0.006～2300
	YT25	1	15#24#35#36#	0.16～2900

Flow Rate Peristaltic Pump BT-L Series

Features:

- ＊ True color LCD screen display, touch screen plus button operation;
- ＊ LF-Touch-OS software system;
- ＊ It has basic functions such as start and stop, forward and reverse, full speed, speed regulation, state memory, etc.;
- ＊ Rotational speed resolution is 0.1 rpm;
- ＊ Flow display, flow control, liquid volume accumulation;
- ＊ With flow correction function;
- ＊ Unique "simple sub-assembly" function to realize repeated timing and quantitative transmission, eliminating the need for time controllers;
- ＊ Peristaltic pump expert system, which is convenient for users to thegreatest extent;
- ＊ Intelligent temperature control function, minimize the noise of the peristaltic pump, 45 decibels ultra-quiet design;
- ＊ External control high and low-level control start and stop, positive and negative, simple subassembly, optocoupler isolation; external control analog quantity adjusts the speed;
- ＊ RS485 communication, compatible with Modbus protocol, convenient to connect with various control equipment;
- ＊ The internal structure adopts a double-layer isolation design, and the circuit board is sprayed with three anti-paint technology to achieve the effect of dust and moisture;
- ＊ Super anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- ＊ The drive housing material is made of ABS engineering plastics, streamlined design, simple and beautiful;
- ＊ A variety of pump heads can be installed to achieve different combinations of pump heads and drivers.

Technical Parameters

Model	BT101L	BT301L	BT601L
Flow Range	0.0001～720ml/min	0.006～1690ml/min	0.006～2900ml/min
Rotation Range	0.1～150rpm	0.1～350rpm	0.1～600rpm
Speed Resolution	0.1rpm		
Speed Accuracy	<±0.2%		
Power Supply	AC100～240V，50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional); external control analog 0-5V (standard), 0-10V, 4-20mA (optional)		
Communication Interface	RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0～40℃, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:

DG type

DT type

YZ15/YZ25

YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
BT101L	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0001～41
	DT10-18	1	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	DT10-28	2	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	YZ15	1	13#14#19#16#25#17#	0.006～420
	YZ25	1	15#24#	0.16～420
	YT15	1	13#14#19#16#25#17#18#	0.006～570
	YT25	1	15#24#35#36#	0.17～720
BT301L	YZ15	1	13#14#19#16#25#17#	0.006～990
	YZ25	1	15#24#	0.16～990
	YT15	1	13#14#19#16#25#17#18#	0.006～1300
	YT25	1	15#24#35#36#	0.16～1690
BT601L	YZ15	1	13#14#19#16#25#17#	0.006～1700
	YZ25	1	15#24#	0.16～1700
	YT15	1	13#14#19#16#25#17#18#	0.006～2300
	YT25	1	15#24#35#36#	0.16～2900

Standard Peristaltic Pump BT-S Series

Features:

- ＊ 4-digit LED digital tube displays the speed and working mode;
- ＊ LF-LED-OS software system;
- ＊ LED indicator shows the working status of positive and negative, internal control, external control, foot switch, etc.;
- ＊ Toggle switch and knob are combined for operation;
- ＊ It has basic functions such as start and stop, forward and reverse, full speed, speed regulation, state memory, etc.;
- ＊ Simple dispensing control, realizing the function of repeatedly transferring quantitative liquids;
- ＊ Streamlined plastic shell design, simple and stylish;
- ＊ Large torque output, different pump heads can be installed to realize multi-channel and driver combination;
- ＊ The internal structure adopts a double-layer isolation design, and the circuit board is sprayed with three anti-paint technology to achieve the effect of dust and moisture;
- ＊ Super anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- ＊ External control high and low-level control start and stop, positive and negative, simple subassembly, optocoupler isolation; external control analog quantity adjusts the speed;
- ＊ RS485 communication, support Modbus protocol, convenient to connect with various control equipment;
- ＊ It can be equipped with foot switch, pulse dampener, leak detector and other optional accessories.

Technical Parameters

Model	BT101S	BT301S	BT601S
IFlow Range	0.0001～720ml/min	0.006～1690ml/min	0.006～2900ml/min
Rotation Range	0.1～150rpm	0.1～350rpm	0.1～600rpm
Speed Resolution	0.1~100rpm: 0.1rpm; 100~600rpm: 1rpm		
Speed Accuracy	<±0.5%		
Power Supply	AC100～240V，50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional); external control analog 0-5V (standard), 0-10V, 4-20mA (optional)		
Communication Interface	RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0～40℃, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:

DG type

DT type

YZ15/YZ25

YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
BT101S	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0001～41
	DT10-18	1	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	DT10-28	2	13#14#，Wall thickness 0.8～1mm, Inner diameter≤3.17mm	0.0002～82
	YZ15	1	13#14#19#16#25#17#	0.006～420
	YZ25	1	15#24#	0.16～420
	YT15	1	13#14#19#16#25#17#18#	0.006～570
	YT25	1	15#24#35#36#	0.17～720
BT301S	YZ15	1	13#14#19#16#25#17#	0.006～990
	YZ25	1	15#24#	0.16～990
	YT15	1	13#14#19#16#25#17#18#	0.006～1300
	YT25	1	15#24#35#36#	0.16～1690
BT601S	YZ15	1	13#14#19#16#25#17#	0.006～1700
	YZ25	1	15#24#	0.16～1700
	YT15	1	13#14#19#16#25#17#18#	0.006～2300
	YT25	1	15#24#35#36#	0.16～2900

Safety Storage Cabinet

Features:

- ＊ Two-layer anti-fire steel plate with 38mm between two steel plates for insulation.
- ＊ Main body material: 1.0mm steel plate painted with epoxy resin.
- ＊ Safety: Three-linkage lock. The door has two keys and is available to use padlock which realize safe management of double-locked with two key holders.
- ＊ 50mm height anti-leakage liquid tank ensures no liquid overflow.
- ＊ Specific warning labels for different kinds of safety storage cabinet.
- ＊ Installed with double air vents which are set with anti-fire devices.
- ＊ Adjustable anti-leakage shelves.
- ＊ An electrostatic grounded conductive port for easy connection to an electrostatic ground wire.

Flammable Chemicals Storage Cabinet

BIOBASE
FLAMMABLE
INFLAMMABLE
INFLAMMABLE

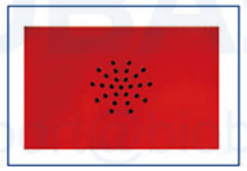
Technical Parameters:

Model	BKSC-4Y	BKSC-12Y	BKSC-22Y	BKSC-30Y	BKSC-45Y	BKSC-60Y	BKSC-90Y
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	505*505*585	665*535*915	680*540*1975	1170*540*1260	1170*540*1790	940*940*1790	1170*940*1790
Gross Weight	28kg	50kg	93kg	101kg	138kg	170kg	200kg

BIOBASE series yellow safety cabinet for storing all kinds of flammable materials, with flashing point below 45℃.

Combustible Chemicals Storage Cabinet

BIOBASE
FLAMMABLE
INFLAMMABLE
INFLAMMABLE

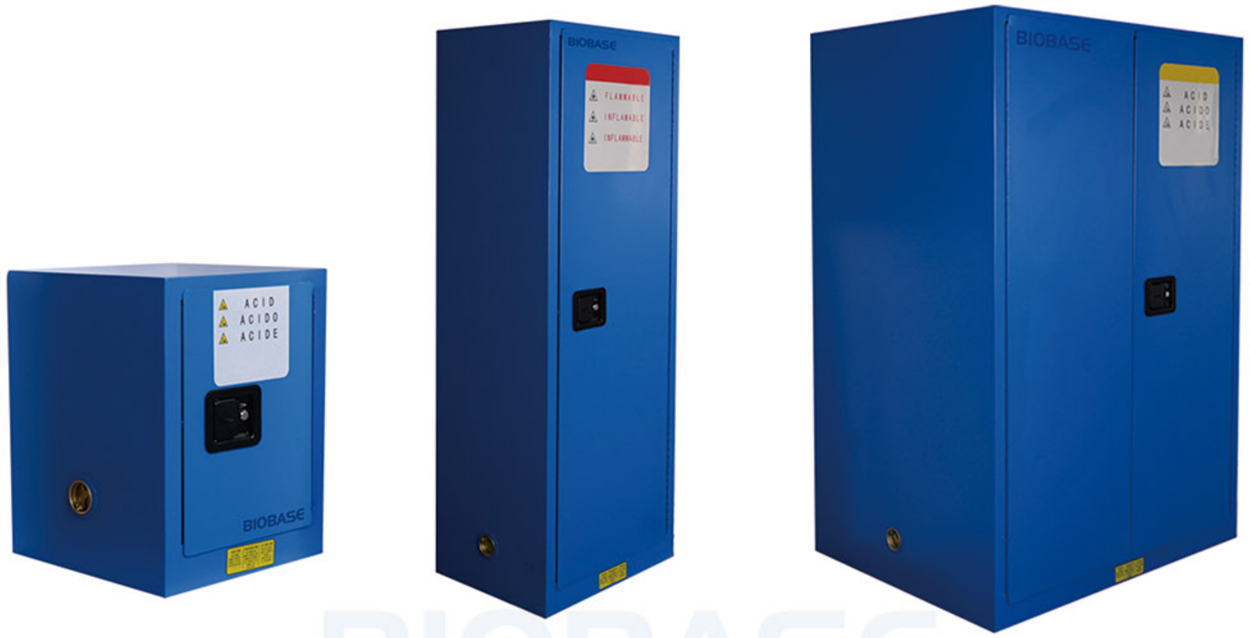


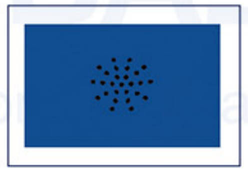
Technical Parameters:

Model	BKSC-4R	BKSC-12R	BKSC-22R	BKSC-30R	BKSC-45R	BKSC-60R	BKSC-90R
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	505*505*585	665*535*915	680*540*1975	1170*540*1260	1170*540*1790	940*940*1790	1170*940*1790
Gross Weight	28kg	50kg	93kg	101kg	138kg	170kg	200kg

BIOBASE series red safety cabinet for storing various kinds of flammable materials with flashing points above 45℃.

Weak Acid and Alkali Chemicals Storage Cabinet





Technical Parameters:

Model	BKSC-4B	BKSC-12B	BKSC-22B	BKSC-30B	BKSC-45B	BKSC-60B	BKSC-90B
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel,PP tray						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	550*550*725	710*580*1055	720*580*1815	1210*580*1285	1210*580*1815	980*980*1815	1210*980*1815
Gross Weight	38kg	66kg	116kg	117kg	155kg	195kg	243kg

BIOBASE series blue safety cabinet for storing weak acid, weak alkali and weak corrosive items.

Strong Acid & Alkali Storage Cabinet

BIOBASE
CORROSIVES

BABC-4P

BIOBASE
CORROSIVES

BABC-30P

BIOBASE
CORROSIVES

BABC-45P

Features:

- ＊ Padlock design.
- ＊ Adjustable shelves.
- ＊ Anti-corrosive materials for strong acid and alkali.
- ＊ Customizable.

Technical Parameters:

Model	BABC-4P	BABC-12P	BABC-20P	BABC-28P	BABC-30P	BABC-45P	BABC-60P	BABC-90P
Capacity	4 gallon(15L)	12 gallon(45L)	20 gallon(75L)	28 gallon(105L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	pp							
Adjustable shelf	Optional	1 pc		2 pc				
Door	Single/Manual		Double/Manual					
External Size (W*D*H) mm	430*430*560	590*460*890	910*590*890	910*600*900	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	515*515*695	675*545*1025	995*675*1025	995*685*1035	1175*545*1255	1175*545*1785	945*945*1785	1173*943*1785
Gross Weight	16kg	30kg	46kg	48kg	58kg	72kg	90kg	107kg

Liquid Nitrogen Container

Liquid Nitrogen Container for Storage and Transportation

LNC-2-30 /LNC-3-50/
LNC-10-50/LNC-10-80

LNC-6-50

LNC-20-50(L)/LNC-20B-50(L)
/LNC-25-50L/LNC-35-50(L)
/LNC-35-80(L)/LNC-35B-50(L)
/LNC-35B-80(L)/LNC-50B-50

LNC-15-50/LNC-30-50(L)
/LNC-30-80(L)/LNC-30B-50(L)

Application:

Mainly used for artificial insemination and biological samples storage and transportation

Features:

- ＊ More than five years life
- ＊ Made of high-strength aluminium alloy
- ＊ Adopting advanced powder coating technique

Technical Parameters:

Model			Unit	LNC-2-30	LNC-3-50	LNC-6-50	LNC-10-50	LNC-10-80	LNC-15-50	LNC-20-50	LNC-20-50L	LNC-20B-50	LNC-20B-50L	LNC-25-50L	LNC-30-50	LNC-30-50L	LNC-30-80	LNC-30-80L	LNC-30B-50	LNC-30B-50L	LNC-35-50	LNC-35-50L	LNC-35-80	LNC-35-80L	LNC-35B-50	LNC-35B-50L	LNC-35B-80	LNC-35B-80L	LNC-50B-50
Capacity			L	2	3	6	10	10	15	20	20	20	20	25	31.5	31.5	31.5	31.5	31.5	31.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	50
Weight Empty			kg	2.8	3.1	4.8	6.1	6.2	8.5	9.5	9.5	9.5	9.5	10.7	12.9	12.9	13	13	12.9	12.9	14.2	14.2	14.5	14.5	14.2	14.2	14.5	14.5	17.2
Caliber			mm	30	50	50	50	80	50	50	50	50	50	50	50	50	80	80	50	50	50	50	80	80	50	50	80	80	50
Outer Diameter			mm	223	223	300	300	300	394	394	394	394	394	394	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462
Height			mm	399	435	482	552	557	591	672	672	672	672	700	705	705	709	709	705	705	749	749	753	753	749	749	753	753	810
Static Evaporation Loss			L/d	0.07	0.12	0.12	0.12	0.21	0.11	0.12	0.12	0.20	0.20	0.14	0.12	0.12	0.21	0.21	0.20	0.20	0.12	0.12	0.22	0.22	0.20	0.20	0.30	0.30	0.24
Static Holding Time			d	28	26	52	86	48	134	168	168	101	101	180	254	254	147	147	159	159	286	286	159	159	179	179	119	119	213
Canister	CanisterItem No.		—	S2-30	S3-50	S6-50	S10-50	S10-80	S15-50	S30-50	D30-50	S30-50	D30-50	D35-50	S30-50	D30-50	S30-80	D30-80	S30-50	D30-50	S35-50	D35-50	S35-80	D35-80	S35-50	D35-50	S35-80	D35-80	S50-50
	Canister Outer Diameter		mm	19	38	38	38	63	38	38	38	38	38	38	38	38	63	63	38	38	38	38	63	63	38	38	63	63	38
	Canister Height		mm	120	120	120	120	120	120	120	276	120	276	276	120	276	120	276	120	276	120	276	120	276	120	276	120	276	120
	Canisters No. (Standard)		pc	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Straw Holding Capacity (120mm Canister)	0.5ml	pc	90	792	792	792	2244	792	792	—	792	—	—	792	—	2244	—	792	—	792	—	2244	—	792	—	2244	—	792
		0.25ml	pc	204	1788	1788	1788	5022	1788	1788	—	1788	—	—	1788	—	5022	—	1788	—	1788	—	5022	—	1788	—	5022	—	1788
	Straw Holding Capacity (276mm Canister)	0.5ml	pc	—	—	—	—	—	—	—	1284	—	1284	1284	—	1284	—	3624	—	1284	—	1284	—	3624	—	1284	—	3624	—
		0.25ml	pc	—	—	—	—	—	—	—	2832	—	2832	2832	—	2832	—	8460	—	2832	—	2832	—	8460	—	2832	—	8460	—
Accessories		PU Bag	pc	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
		Lockable Lid	set	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
		Transport Trolley	set	—	—	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Liquid Nitrogen Temp Monitor	set	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Packing Size(W*D*H)			mm	260*260 *465	270*270 *510	340*340 *555	340*340 *615	340*340 *615	425*425 *655	425*425 *735	425*425 *735	425*425 *735	425*425 *735	425*425 *765	480*480 *900	480*480 *900	480*480 *900	480*480 *900	480*480 *900	480*480 *900	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *985
Gross Weight			kg	7	8	10	10.5	10.5	14	14.5	14.5	14.5	14.5	16	19	19	19.5	19.5	19	19	20.5	20.5	21.5	21.5	21.5	21.5	21.5	21.5	23

Notes: 1. Containers model with letter "B" is the transportation type and the rest are storage type.
2. LNC-2-30 standard with 3 canisters;from LNC-3-50 to LNC-50B-50 standard with 6 canisters,
3.Standard:√ Optional:• Without this feature:—

Large Caliber Liquid Nitrogen Container

LNC-10-125F

LNC-30-125/125F

LNC-65-216

LNC-35-125/125L/125F

LNC-47-127L/127Y

Application:

Mainly used for artificial insemination and biological samples storage and transportation.

Features:

- ∗ More than five years life.
- ∗ Made of high-strength aluminium alloy.
- ∗ Adopting advanced powder coating technique.

Technical Parameters:

Model			Unit	LNC-10 -125F	LNC-30 -125	LNC-30 -125F	LNC-35 -125	LNC-35 -125L	LNC-35 -125F	LNC-47 -127L	LNC-47 -127Y
Capacity			L	10	31.5	31.5	35.5	35.5	35.5	47	47
Weight Empty			kg	6.3	13	13	14.6	14.6	14.6	18.2	18.2
Caliber			mm	125	125	125	125	125	125	127	127
Outer Diameter			mm	300	462	462	462	462	462	508	508
Height			mm	554	704	704	748	748	748	718	718
Static Evaporation Loss			L/d	0.42	0.35	0.35	0.36	0.36	0.36	0.36	0.36
Static Holding Time			d	24	90	90	97	97	97	130	130
Canister Item No.			/	FTT-25-4	S30-125	FTT-25-4	S35-125	D35-125	FTT-25-5	D47-127	Y47-127-5
Rack With 2ml Freezing Tube	Rack		pc	1	——	6	——	——	6	——	6
	Rack Size		mm	82*84	——	82*84	——	——	82*84	——	105*100
	Box Size		mm	76*76	——	76*76	——	——	76*76	——	Φ98
	Layers Per Rack		pc	4	——	4	——	——	5	——	5
	Vial		pc	100	——	600	——	——	750	——	1110
Rack With 5ml Freezing Tube	Rack		pc	——	——	——	——	——	——	——	——
	Rack Size		mm	——	——	——	——	——	——	——	——
	Box Size		mm	——	——	——	——	——	——	——	——
	Layers Per Rack		pc	——	——	——	——	——	——	——	——
	Vial		pc	——	——	——	——	——	——	——	——
Canister	Canister Outer Diameter		pc	97	97	——	97	97	——	104	98
	Canister Height		pc	120	120	——	120	276	——	276	276
	Canisters No. (Standard)		pc	1	6	——	6	——	——	6	——
	Straw Holding Capacity (Single)	0.5ml	pc	854	5124	——	5124	——	——	——	——
		0.25ml	pc	1940	11640	——	11640	——	——	——	——
	Straw Holding Capacity (Double)	0.5ml	pc	——	——	——	——	9048	——	10704	——
		0.25ml	pc	——	——	——	——	20760	——	23604	——
Accessories		PU Bag	pc	——	√	√	√	√	√	——	——
		Lockable Lid	set	√	√	√	√	√	√	√	√
		Transport Trolley	set	——	•	•	•	•	•	•	•
		Liquid Nitrogen Temp Monitor	set	•	•	•	•	•	•	•	•
Packing Size(W*D*H)			mm	340*340 *615	480*480 *900	480*480 *900	480*480 *915	480*480 *915	480*480 *915	540*540 *890	540*540 *890
Gross Weight			kg	15	23	23	24.5	24.5	24.5	32	32

Note:Standard:√ Optional:• Without this feature:—

Technical Parameters:

Model		Unit	LNC-65-216	LNC-95-216	LNC-115-216	LNC-145-216	LNC-175-216
Capacity		L	65	95	115	145	175
Weight Empty		kg	38.3	41.3	42.3	48.9	53.8
Caliber		mm	216	216	216	216	216
Outer Diameter		mm	681	681	681	681	681
Height		mm	712	774	846	946	1060
Static Evaporation Loss		L/d	0.78	0.97	0.94	0.96	0.95
Static Holding Time		d	83	98	122	151	184
Canister Item No.		——	FTT-81-4	FTT-81-5	FTT-81-6	FTT-81-8	FTT-81-10
Racks With 2ml Freezing Tube	Rack(Standard/Max)	pc	6	6	6	6	6
	Rack Size	mm	142*144	142*144	142*144	142*144	142*144
	Box Size	mm	134*134	134*134	134*134	134*134	134*134
	Layers Per Rack	pc	4	5	6	8	10
	Vial	pc	1944	2430	2916	3888	4860
Accessories	PU Bag	pc	——	——	——	——	——
	Lockable Lid	set	√	√	√	√	√
	Transport Trolley	set	•	•	•	•	•
	Liquid Nitrogen Temp Monitor	set	•	•	•	•	•
Packing Size(W*D*H)		mm	810*810*945	810*810*1005	810*810*1065	810*810*1185	810*810*1315
Gross Weight		kg	60	64	66	73	80

Note:Standard:√ Optional:• Without this feature:—

Liquid Nitrogen Dry Shipper

LNC-3-50DS

Application:

Designed for air shipping of the biological samples

Features:

- ＊ More than five years life
- ＊ Made of high-strength aluminium alloy
- ＊ Adopting advanced powder coating technique

Technical Parameters:

Model			Unit	LNC-3-50DS	LNC-6-80DS	LNC-10-125DS	LNC-25-216DS
Effective Capacity			L	1.3	2.9	3.4	9
Weight Empty			Kg	3.2	4.9	6.7	15
Caliber			mm	50	80	125	216
Outer Diameter			mm	223	300	300	394
Height			mm	435	487	554	716
Static Evaporation Loss			L/d	0.16	0.2	0.43	0.89
Static Holding Time			d	20	37	23	29
Effective Shelf Life			d	8	14	8	10
Canister Item No.			—	S3H-50	S6H-80	FDCJ-25-4	FDCJ-81-5
Canister	Canister Outer Diameter		mm	38	63	—	—
	Canister Height		mm	120	120	—	—
	Canisters No.		pc	1	1	—	—
	Straw Holding Capacity(120mm Canister)	0.5 ml	pc	132	374	—	—
		0.25 ml	pc	298	837	—	—
Rack With Vial Boxes	Rack		pc	—	—	1	1
	Box		mm	—	—	76*76	134*134
	Layers Per Rack		pc	—	—	4	5
	Vial		pc	—	—	100	405
25ml Blood Bag	Rack		pc	—	—	1	1
	Stages Per Rack		pc	—	—	1	2
	Boxes Per Stage		pc	—	—	3	15
	Blood Bag Capacity		pc	—	—	3	30
50ml Blood Bag	Rack		pc	—	—	1	1
	Stages Per Rack		pc	—	—	1	1
	Boxes Per Stage		pc	—	—	3	15
	Blood Bag Capacity		pc	—	—	3	15
Accessories	PU Bag		pc	√	√	—	—
	Lockable Lid		set	√	√	√	√
	Liquid Nitrogen Temp Monitor		set	•	•	•	•
Packing Size(W*D*H)			mm	270*270*510	340*340*555	340*340*615	425*425*765
Gross Weight			kg	9	12	19	24

Note:Standard:√ Optional:• Without this feature:—

Accessories

Technical Parameters:

Model	Caliber(mm)	Layer(ea)	Height(mm)	Canister Outer Diameter	Application Models
S2-30	30	Single	120	19	LNC-2-30
S3-50	50	Single	120	38	LNC-3-50
S6-50	50	Single	120	38	LNC-6-50
S10-50	50	Single	120	38	LNC-10-50
S10-80	80	Single	120	63	LNC-10-80
S15-50	50	Single	120	38	LNC-15-50
S30-50	50	Single	120	38	LNC-20-50 LNC-20B-50 LNC-30-50 LNC-30B-50
S30-80	80	Single	120	63	LNC-30-80
S30-125	125	Single	120	97	LNC-30-125
S35-50	50	Single	120	38	LNC-35-50 LNC-35B-50
S35-80	80	Single	120	63	LNC-35-80 LNC-35B-80
S50-50	50	Single	120	38	LNC-50B-50
S35-125	125	Single	120	97	LNC-35-125
Y47-127-5	127	5	276	98	LNC-47-127Y
S3H-50	50	Single	120	38	LNC-3-50DS
S6H-80	80	Single	120	63	LNC-6-50DS
S10H-125	125	Single	120	97	LNC-10-125DS
D30-50	50	Double	276	38	LNC-20-50L LNC-20B-50L LNC-30-50L LNC-30B-50L
D30-80	80	Double	276	63	LNC-30-80L
D35-50	50	Double	276	38	LNC-25-50L LNC-35-50L LNC-35B-50L
D35-80	80	Double	276	63	LNC-35-80L LNC-35B-80L
D35-125	125	Double	276	97	LNC-35-125L
D47-127	127	Double	276	104	LNC-47-127L

Technical Parameters:

Model	Layer	Rack Size	Box Size	Vial Boxes(R*L)	Application Models
FTT-81-4	4	142*144	134*134	9*9	LNC-65-216
FTT-81-5	5	142*144	134*134	9*9	LNC-95-216
FTT-81-6	6	142*144	134*134	9*9	LNC-115-216
FTT-25-4	4	82*84	76*76	5*5	LNC-30-125 LNC-10-125
FTT-25-5	5	82*84	76*76	5*5	LNC-35-125
FTT-81-8	8	142*144	134*134	9*9	LNC-145-216
FTT-81-10	10	142*144	134*134	9*9	LNC-175-216
FDCJ-25-4	4	——	76*76	5*5	LNC-10-125DS
FDCJ-81-5	5	——	134*134	9*9	LNC-25-216DS

Lid with lock

Level Ruler

Level & Temperature monitor

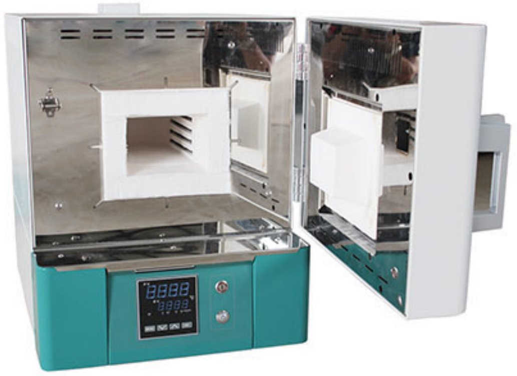
BIOBASE
Liquid Nitrogen Level Monitor
ALARM
WORKING
POWER
ZTC-100A

Trolley

YSC-30-4W
YSC-47-4W
YSC-175-4W

YSC-30-5W
YSC-47-5W
YSC-120-5W
YSC-175-5W

Muffle Furnace



Features:

- ＊ External material: cold-rolled steel with anti-bacterial powder coating and internal material: imported high density ceramic fiber. All stainless steel glory hole, make sure the color not change.
- ＊ Dual ceramic inner chamber and hollow heat insulation ensure that the temperature can go up quickly. Heating rate is about 60℃/min.
- ＊ Automatic parallel pressure door technology ensures the inner chamber temperature evenness and without leakage under the high temperature.
- ＊ PID micro digital screen controller, fixing temperature, over-temperature alarming and auto-stop.
- ＊ Safety protection measures: thermocouple failure, cut off power automatically when open the door and over temperature protection to avoid accidents occurring.
- ＊ Double-shell hollow thermal insulation , the shell not hot and the furnace internal cool quickly.

Technical Parameters:

Model	MC2.5-12	MC5-12	MC10-12
Max Temp.	1200℃		
Temp. Rising Time (Empty/min)	≤30		
Temp. Accuracy	±1℃		
Capacity(L)	2	7	16
Consumption(KW)	1.5	3	6
Power Supply	110/220V±10%,50/60Hz	220V±10%,50/60HZ	220/380V±10%,50/60HZ
Internal Size(W*D*H)mm	200*120*80	300*200*120	400*250*160
External Size(W*D*H)mm	450*685*600	530*785*640	600*895*700
Package Size(W*D*H)mm	580*775*730	660*875*770	730*985*830
Gross Weight(kg)	45	60	98

Muffle Furnace

Features:

- ＊ Program controlling temperature for TP series.
- ＊ Heating wire is set in four sides of the furnace, anti-corrosion, prevent contamination.
- ＊ Special insulation design, low shell temperature.
- ＊ SCR control, PID parameter self-setting;
- ＊ Low energy consumption.
- ＊ Multiple safety protection design:
  - Over-temperature alarm;
  - Power off when over-temperature/over-load.
  - Manual or automatic switch without interference;
  - Built-in parameter password control function.

MX6-10T/TP; MX8-10T/TP; MX16-10T/TP; MX6-12T/TP; MX8-12T/TP;MX8-13T/TP; MX10-13T/TP

MX6-16TP; MX11-16TP; MX6-17TP; MX11-17TP

MX30-10T/TP; MX30-12T/TP

Technical Parameters:

Model		MX6-10T/TP	MX8-10T/TP	MX16-10T/TP	MX30-10T/TP	MX6-12T/TP	MX8-12T/TP	MX30-12T/TP
Max. Temp.(℃)		1000				1200		
Capacity(L)		6	8	16	30	6	8	30
Temp. Accuracy		±1℃						
Consumption(KW)		2.8	4	6	10	2.8	4	10
Power Supply		220/380V±10%, 50/60HZ ;(110V only suitable for MX6-10T/TP)						
Heating Rate		0-30℃/min						
Rising Time(Empty)		30 minutes						
Temp. Uniformity		±5℃						
Material		External material: Cold rolled steel carbon steel spraying Internal material: Ceramic inner chamber						
Heating Element		Nickel chromium alloy wire						
Temp. Control		Intelligent temperature controller						
Optional	Accessory	Temperature measuring hole; Exhaust chimney; Furnace bottom plate						
	Functions	Automatically power off once the door is opened; 30 programmable periods(only for T Type)						
Internal Size(W*D*H)mm		180*230*150	200*300*120	250*400*160	300*500*200	180*230*150	200*300*120	300*500*200
External Size(W*D*H)mm		500*510*540	500*580*660	550*690*700	770*820*580	480*500*660	500*580*660	770*820*580
Package Size(W*D*H)mm		630*700*870	630*800*870	680*910*870	870*1110*990	630*700*870	630*800*870	870*1110*990
Gross Weight(kg)		82	84	111	146	82	84	146

Model		MX8-13T/TP	MX10-13T/TP	MX6-16TP	MX11-16TP	MX6-17TP	MX11-17TP
Max. Temp.(℃)		1300		1600		1700	
Capacity(L)		8	10	6	11	6	11
Temp. Accuracy		±1℃					
Consumption(KW)		4		6	8	5	8
Power Supply		220/380V±10%, 50/60HZ					
Heating Rate		0-30℃/min					
Rising Time(Empty)		30 minutes					
Temp. Uniformity		±5℃					
Material		External material: Cold rolled steel carbon steel spraying Internal material: Ceramic inner chamber					
Heating Element		Nickel chromium alloy wire					
Temp. Control		Intelligent temperature controller					
Optional	Accessory	Temperature measuring hole; Exhaust chimney; Furnace bottom plate					
	Functions	Automatically power off once the door is opened; 30 programmable periods(only for T Type)					
Internal Size(W*D*H)mm		200*300*120	200*300*180	150*300*120	200*300*180	150*300*120	200*300*180
External Size(W*D*H)mm		630*650*730	600*640*850	650*750*1000	700*750*1200	650*750*1000	700*750*1200
Package Size(W*D*H)mm		710*910*920	770*860*1050	920*800*1150	1100*1050*1350	800*920*1150	1100*1050*1350
Gross Weight(kg)		119	130	237	280	237	280

Tissue Flotation Water Bath & Slide Dryer

Features:

- Integrate tissue flotation water bath and slide dryer, compact structure and easy operation
- High-brightness LCD display, real-time display of temperature.
- Highly sensitive temperature control integrated unit, high precision and reliable performance.
- With over-temperature alarm function
- Using new heating materials, heating fast, uniform heating, low thermal inertia, energy saving and reliable.
- With memory function. The set temperature is automatically retained.
- Louver-type drying table, easy to operate, better drying effect
- The work surface is sprayed for corrosion resistance.

BIOBASE
Email: export@biobase.com
Website: www.biobase.cc / www.meihuatrade.com

Technical Parameters:

Model	BTH-I
Temp. Range	RT to 90℃
Temp. Precision	2℃
Environmental Temp. Range	0~40℃
Over-Temp. Alarm Range	1~5℃
Drying Area	344*260mm
Bath Tank Size(W*D*H)	304*207*52mm
Display	LCD
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz
Consumption	600W
External Size(W*D*H)	695*400*210mm
Package Size(W*D*H)	800*510*320mm
Gross Weight	20kg

Tissue Flotation Water Bath

Features:

∗ High-brightness LCD display, real-time display of temperature.

∗ Highly sensitive temperature control integrated unit, high precision and reliable performance.

∗ With over-temperature alarm function

∗ Using new heating materials, heating fast, uniform heating, low thermal inertia, energy saving and reliable.

∗ With memory function. The set temperature is automatically retained.

∗ The work surface is sprayed for corrosion resistance.

Technical Parameters:

Model	BT-I
Temp. Range	RT to 90℃
Temp. Precision	1℃
Over-Temp. Alarm Range	1~5℃
Environmental Temp. Range	0~40℃
Bath Tank Size(W*D*H)	240*180*55mm
Display	LCD
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz
Consumption	200W
External Size(W*D*H)	345*340*130mm
Package Size(W*D*H)	440*440*220mm
Gross Weight	5kg

Slide Dryer (Hot Plate)

Features:

∗ High-brightness LCD display, real-time display of temperature.

∗ Highly sensitive temperature control integrated unit, high precision and reliable performance.

∗ With over-temperature alarm function

∗ Using new heating materials, heating fast, uniform heating, low thermal inertia, energy saving and reliable.

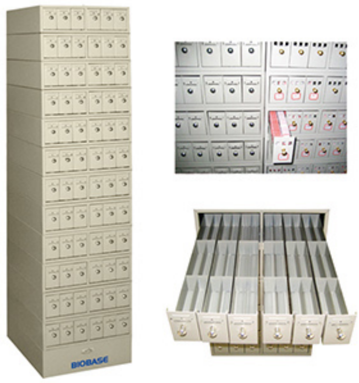
∗ With memory function. The set temperature is automatically retained.

∗ The work surface is sprayed for corrosion resistance.

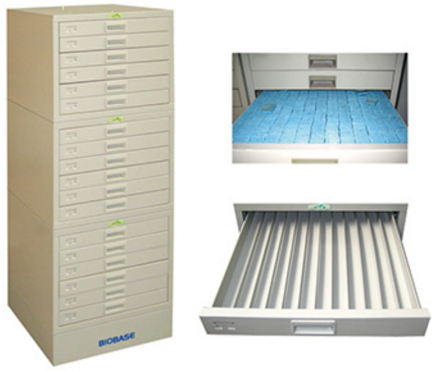
Technical Parameters:

Model	BH-I
Temp. Range	RT to 90℃
Temp. Precision	1℃
Environmental Temp. Range	0~40℃
Over-Temp. Alarm Range	1~5℃
Drying Area	345*260mm
Display	LCD
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz
Consumption	200W
External Size(W*D*H)	345*340*130mm
Package Size(W*D*H)	440*440*220mm
Gross Weight	5kg

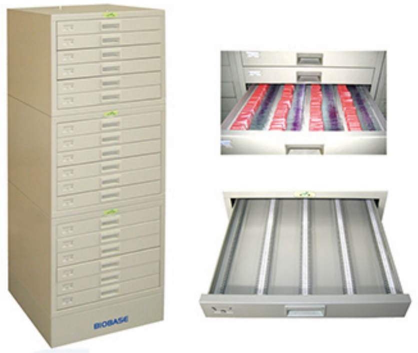
Slides Cabinet



Slide Cabinet BKC-S400



Paraffin Block Cabinet BKC-PB450



Slide Storage Cabinet BKC-SS450

BIOBASE
Email: export@biobase.com
Website: www.biobase.cc / www.meihuatrade.com

Technical Parameters:

Model		BKC-S400	BKC-PB450	BKC-SS450
Capacity		72 Drawers (12 layers*6 grid, plus a base) Loading: 760*72=54720 pcs glass slides	18 Drawers (3 layers*6 grid, plus a base) Loading: 12000 pcs paraffin bock	18 Drawers (3 layers*6 grid, plus a base) Loading: 4536 or 9072 pcs glass slides
Material	Cabinet	Cold-rolled steel plate. Surface Treatment: Degrease oil, Table regulator, Zinc parkerising , Passivation, Powder spraying		
	Drawer	Specialized slide drawer, ABS slide plate		
	Slot	Made by special mold		
	Mark Groove	Integration forming		
External Size(W*D*H)		403*478*1625mm	450*478*1295mm	450*478*1295mm
Package Size(W*D*H)		490*590*430mm, 3pcs; 490*590*555mm, 1pc	530*570*440 mm, 3pcs; 530*570*565mm, 1pc	530*570*440 mm, 3pcs; 530*570*565mm, 1pc
Gross Weight		32kg, 3pcs; 36kg, 1pc	29kg, 3pcs; 33kg, 1pc	27kg, 3pcs; 31kg, 1pc

Blood Bank Instrument

Blood Collection Chair

Features:

- ＊ Manual or electric control type for your choice.
- ＊ Made of high-strength fiber material and poly-layer paint, more durable, easy to clean.
- ＊ Designed with people-oriented idea, to meet the donor's sense of security and comfort, to alleviate the psychological pressure, to ensure an easier and enjoyable process.
- ＊ Mattress using a high-quality medical polyurethane foam molding leather, easy for clean and maintenance, anti-static and anti-fouling properties superior to other similar products.

BIOBASE

Technical Parameters:

Model	BK-BC100	BK-BC100A
Seat Section Size(mm)	1800*580	
Seat Section Height(mm)	480	
Backing Board Turning Angle	0~70°	
Chair Backward and Forward Tilt Angle	8°~15°	
Leg Plate Turning Angle	0~90°	
Handrail Swing Out Angle	0°~45°	
Handrail's Moving Distance	100mm	
Handrail Board Size	500*160mm	
Lifting Speed	/	3~25mm/s
Power Supply	/	AC110/220V±10%, 50/60Hz
Reading Lamp Power	/	60W
Standard Accessories	Hand operation, handrail rack, small table	
Optional Accessories	LED hose-type reading lamp; movable assistant desk; soft velvet cover	
Load Capacity	220kg	
Packing Size(W*D*H)	1500*780*600mm	
Gross Weight	65kg	75kg

Blood Collection Monitor

BCM-12A

BCM-12B

Features:

- ＊ Unique modern sensor and LED display.
- ＊ Preset volume of blood collection function.
- ＊ Taring and calibrating function, ensure measuring accuracy.
- ＊ Soft shaking mode, improving the survival of effective components in the blood.
- ＊ Shaking auto stops when bags are taken away during collection and restart working after bags are remounted.
- ＊ If collection volume is preset, the balance will stop shaking when there is 10ml gap and get into accurate measuring status.
- ＊ Automatic alarm when reaching the preset value.
- ＊ Humanization design and reasonable structure is convenient for operation.

BIOBASE

Technical Parameters:

Model	BCM-12A	BCM-12B
Measuring Range	0~1200ml	
Measuring Accuracy	2%	
Display Accuracy	1ml	
Liquid Proportion	1.05g/ml	
Collection Speed	0.5~3ml/s	
Swing Frequency	30~32 r/min	
Swing Angle	13±2°	
Alarm	Audio and visual alarm	Audio and visual alarm with interrupter
Interrupter Thrust	/	≤14N
Consumption	12W	40W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	218*172*160mm	275*230*210mm
Packing Size(W*D*H)	310*260*210mm	330*280*260mm
Net/Gross Weight	2.8kg/3.5kg	4.2kg/5.5kg

Blood Bag Tube Sealer

Application:

The blood bag tube sealer is a compact equipment to seal the blood bags, infusion bags, urine bags by high frequency sealing system. It's widely used in blood-bank, hospital, biological industry, etc.

Features:

∗ No hemolysis.
∗ With suction feet to avoid moving, can be used in blood collecting vehicle.

Technical Parameters:

Model	BK-BTS1
Sealing time	2~4s
Sealing type	Automatic
Diameter of tube	Ø2-6mm (tube wall thickness≤1.5mm)
Power Supply	AC110V~260V, 0.7A
Consumption	150W
External Size (W*D*H)	320*180*130mm
Package Size (W*D*H)	430*235*235mm
Net/Gross Weight	7kg

Blood Plasma Extractor

Application:

Plasma Extractor is designed to extract blood component from centrifuged bags. It is widely used in hospital, blood station, etc. After the plasma layering, different components of blood can be extruded from top to bottom by the pressure of plasma-separating clip.

Features:

∗ Manual system.
∗ Easy to observe the separation of the plasma and red blood cells.

Technical Parameters:

Model	BPE-I
Clamping Force	≥20N
Applicable Blood Bag	100ml~400ml
Material	Stainless Steel
External Size(W*D*H)	165*250*250mm
Package Size(W*D* H)	310*310*240mm
Net Weight	2.5kg
Gross Weight	3kg

Automatic Medical Sealer

Spray carbon steel

304 stainless steel

Features:

- ＊ Auto-control function, continuous operation; substitution of manual sealing machine;
- ＊ Microcomputer Temperature controller, accuracy ±1%, working temperature range 60~220℃;
- ＊ Fast heating, 40 seconds required from room temperature to 180℃;
- ＊ Adjustable fixed-force system, suitable for sealing paper-plastic bags, 3D paper-plastic bags and paper-paper bags;
- ＊ Advanced flat ceramic heating components, high-temperature stability, long life expectancy and high heat efficiency.

Technical Parameters:

Model	MS100-L
Seal Speed	10m/min
Seal Width	12mm
Seal Margin	0~35mm adjustable
Display	LED screen
Machine Shell Material	Spray carbon steel(standard) or 304 stainless steel(optional)
Consumption	500W
Power Supply	AC110/220V±10%, 50/60Hz
External Size（W*D*H)	490*230*150mm
Packing Size（W*D*H)	570*360*240mm
Gross Weight	13kg

Printing Medical Sealer

Features:

- ＊ Temperature controlled by a microcomputer, accuracy ±1%, working temperature range is 60～220℃;
- ＊ Automatic fault detection and alarm;
- ＊ Fast heating, 40 seconds required from room temperature to 180℃;
- ＊ Automatic temperature reduction operated by a fan connected to temperature control system, reducing the waiting time;
- ＊ Adjustable fixed-force system, suitable for sealing 3D paper-plastic bags and paper-plastic bags of any sickness;
- ＊ Advanced flat ceramic heating components, high-temperature stability, long life expectancy and high heat efficiency.

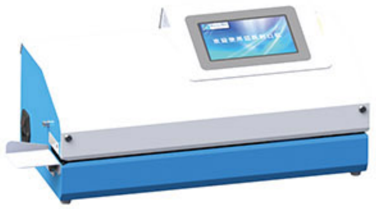
MS101-PD

Spray carbon steel

MS101-T

Spray carbon steel

MS101-T1/TT/TT1


Spray carbon steel

304 stainless steel

304 stainless steel

304 stainless steel

Printing System Features:

- ＊ Print function can be disabled or partially activated;
- ＊ Sterilizing and expire date auto adjust; Automatic faults alarm display during working;
- ＊ Adjustable character font and style, easy to print more information on narrower bags;
- ＊ The system provides the required minimum width of the bag based on the content of print, easier for users to define the print content or select appropriate bag; Auto alarm when width is insufficient;
- ＊ With sealing detection mode;

Technical Parameters:

Model	MS101-PD	MS101-T	MS101-T1	MS101-TT	MS101-TT1
Seal Speed	10m/min				
Seal Width	12mm				
Seal Margin	0~35mm adjustable				
Display	4.3" color LCD screen	7 "color LCD touch screen			
Machine Shell Material	Spray carbon steel(standard) or 304 stainless steel(optional)				
Other Functions	/	/	Can write by hand, save query, U disk	Double line printing	Can write by hand, store query, U disk, double line printing
Consumption	500W				
Power Supply	AC110/220V±10%, 50/60Hz				
External Size（W*D*H)	560*260*220mm				
Packing Size（W*D*H)	670*360*340mm			720*360*340mm	
Gross Weight	19kg			22kg	

Pharmacy Instrument

Disintegration Tester

Disintegration tester is used for detecting disintegration of solids under prescriptive conditions.

BK-BJ1
BK-BJ2
BK-BJ3
BK-BJ4

Features:

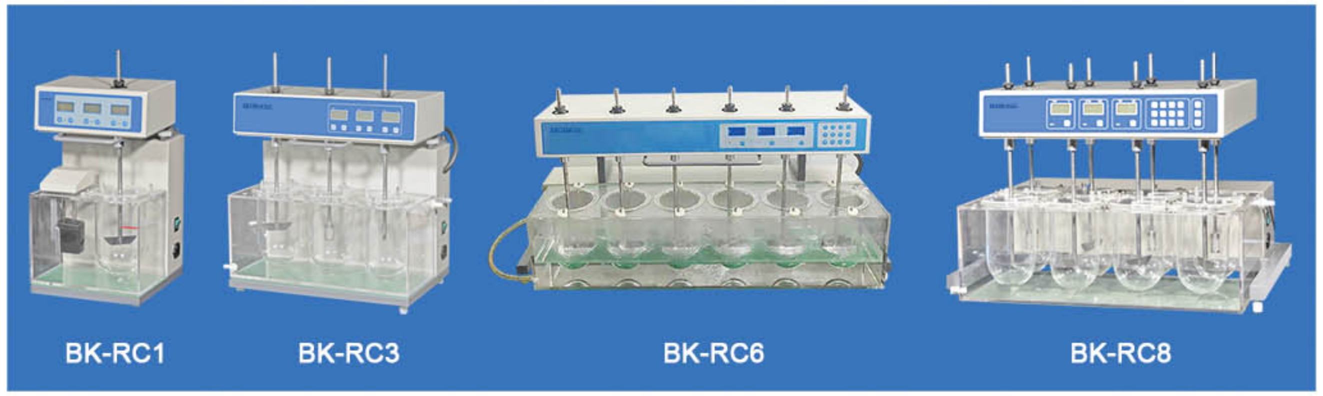
- ∗ Auto-diagnose, auto-alarm.
- ∗ Stainless steel basket and paddle.
- ∗ Micro processor and LCD Display.
- ∗ Each beaker can work alone.
- ∗ Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-BJ1	BK-BJ2	BK-BJ3	BK-BJ4
Basket	1pc	2 pcs	3 pcs	4 pcs
Beaker Capacity	1000ml			
Basket Lifting Frequency	30~31 times/min			
Stroke Height	55±1mm			
Minimum Spacing	25±2mm			
Mesh Size	Standard 2mm			
Temp. Range	RT~50℃			
Temp. Precision	±0.3℃			
Timing Range	1~900min			
Time Precision	±0.5min			
Working Time	>24h			
Power Consumption	600W			
Power Supply	AC220V/110V±10%, 50/60HZ			
External Size (W*D*H) mm	260*300*440	400*320*440	540*320*440	600*320*440
Package Size (W*D*H) mm	360*400*530	500*395*530	640*400*530	700*400*530
Gross Weight (kg)	12	18.5	23	28

Dissolution Tester

Dissolution tester is used for detecting pharmic dissolution from tablet, capsule etc. in prescriptive menstruum.



Features:

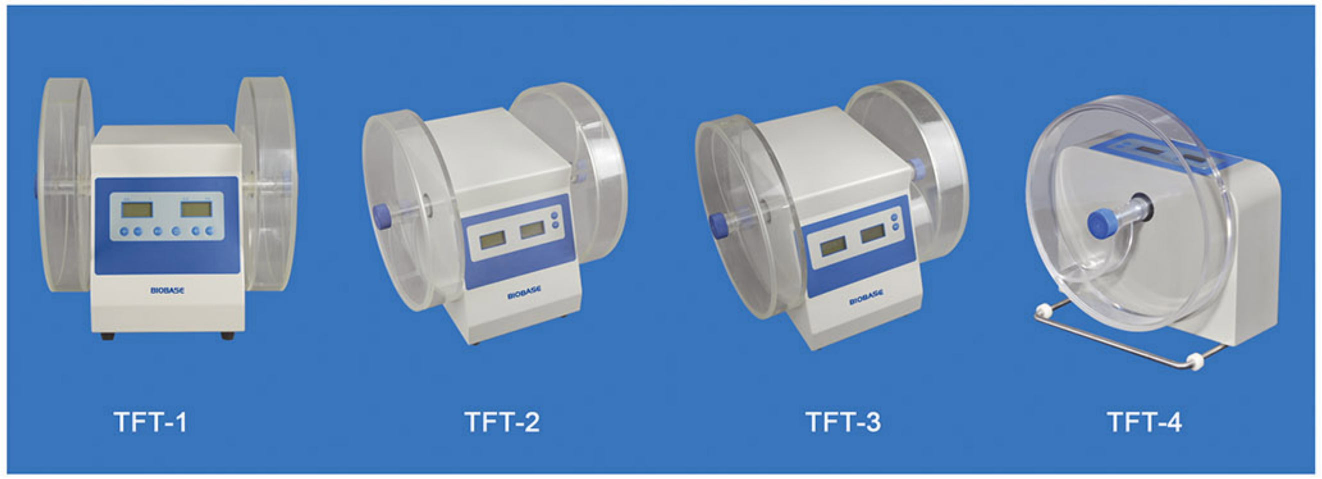
- ∗ Auto-diagnose, auto-alarm.
- ∗ Stainless steel basket and paddle.
- ∗ Micro processor and LCD Display.
- ∗ The head part of the instrument can be turned over smoothly and flexibly(Rise and fall for BK-RC8).
- ∗ Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-RC1	BK-RC3	BK-RC6	BK-RC8
Basket	1 pc	3 pcs	6 pcs	8 pcs
Speed Range	20~200rpm			
Speed Precision	±2rpm			
Temp. Range	RT +45.0℃			
Temp. Precision	±0.3℃			
Timing Range	5~900min	5~900min	1~999min	1~999min
Time Precision	±0.5min			
Working Time	>24h			
Paddle Swing Amplitude	±0.5mm			
Basket Swing Amplitude	±1.0mm			
Power Consumption	600W	600W	1200W	1200W
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	260*300*480	510*300*480	960*320*480	680*540*480
Package Size (W*D*H)mm	490*395*560	750*400*565	1210*440*550	850*615*745
Gross Weight(kg)	18.5	30	44	74

Tablet Friability Tester

It is used for detecting friability/abrasion of tablet.



Features:

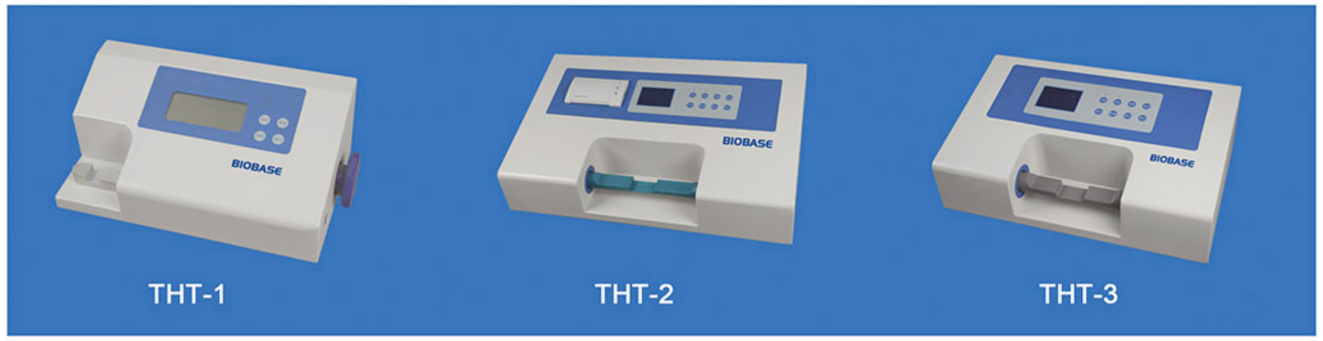
- ∗ Automation: auto-test, auto-diagnose, auto-alarm.
- ∗ Intelligently control the rotating speed of cylinder and revolutions.
- ∗ One drum runs synchronously. Auto stop at timing point. (only for TFT-4)
- ∗ Single path and double cylinder, synchronous operation and automatic stop.
- ∗ The revolution of the drum can be preset at any time, either preset or real data is displayed on the LCD.
- ∗ Microprocessor unit is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.

Technical Parameters:

Model	TFT-1	TFT-2	TFT-3	TFT-4
Cylinder Number	2			1
Cylinder Radius	Φ286			
Cylinder Depth	39mm			
Tablet Fall Height	156mm			
Rotating Speed	20~100rpm	25rpm		
Rotation Count	5~900 turns	100 turns	5~900 turns	10-900 turns
Consumption	40W	20W		50W
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	370*300*340			300*200*340
Package Size(W*D*H)mm	440*400*525			410*295*430
Gross Weight(kg)	12			8

Tablet Hardness Tester

Tablet hardness tester is used to measure the crushing hardness of tablets.



Features:

- ∗ LCD Display. High-precision pressure sensor ensures the precision and reproducibility of test.
- ∗ Easy operation: Manual loading and manual tablet compressing for THT-1, manual single tablet and automatic continuation for THT-2/3.
- ∗ Automatic display, automatic latching, automatic reset, automatic cycle test, automatic linear error correction and automatic fault diagnosis.
- ∗ Unit conversion function, can realize the conversion before or after the tests.
- ∗ Strong data processing ability; statistics, analysis, printing and display are available for test result. (only for THT-2)
- ∗ Built-in printer. (only for THT-2)

Technical Parameters:

Model	THT-1	THT-2	THT-3
Test Range	2~200N(0.2~20kg)	2~200N/500N(0.2~20kg) Customize: 2~500N(0.2~50kg)	
Resolution	0.1N 0.01kg		
Accuracy	±0.5%		
Probe Procession Range	2~20mm	2~40mm	
Consumption	10W	40W	
Power Supply	AC110/220V±10%, 50/60Hz		
Dimensions(W*D*H)mm	280*180*110	500*400*160	400*240*140
Package Size(W*D*H)mm	420*300*230	600*350*250	500*350*250
Gross Weight(kg)	6	12	10

Thaw Tester

BTT-1 and BTT-4B thawing time limit tester is used to inspect the condition of thawing, softening or dissolution of solid preparations such as suppositories or vaginal tablets under the prescribed conditions.

BTT-1

BTT-4B

Features:

- LCD Display
- Three-beaker, three-path, three-path synchronization. Manual overturn for BTT-1, automatic overturn for BTT-4B.
- Transparent sleeve, stainless steel net racks.
- Automatic temperature control, automatic time keeping.
- Timing overturn indication forecast and fault alarm. (only for BTT-4B)
- Magnetic water pump circulating water flow uniform heat system is adopted, and bath temperature is uniform.
- Double-functional head which can lift and descend electrically and turn over manually. (only for BTT-4B)

Technical Parameters:

Model	BTT-1	BTT-4B
Number of Sleeve	3 pieces	
Hyaline Sleeve Inner Size	Φ52*H60mm	
The Net Frame of Stainless Steel	2 pieces/diameter 50mm/each 39 holes of 4mm	
Automatic Time Range	10~900min	
Time Precision	±0.5min	
Temperature Control Range	20~45°C	
Temperature Control Precision	±0.5°C	
Volume of Beaker	5L*3	
Power Supply	AC110/220v±10%, 50/60Hz	
Package Size(W*D*H) mm	770*510*830	750*480*850
Gross Weight(kg)	45	64

Melting Point Tester

Melting point tester adopts capillary tube as sample tube and liquid temperature transfer mode prescribed in Pharmacopoeia. It is suitable for testing melting points of pharmaceutical, chemical reagents, spices, dye etc.

Features:

- Equipped with thermo sensitive mini printer.
- Automatic magnetic stirring system, oil bath temperature is uniform.
- High-precision temperature sensor, can correct non-linear error automatically.
- Automation: automatic measurement, automatic diagnosis and automatic alarm.
- Full-automatic frequency converting control, has high temperature control precision and small linear error of heating rate.

MPTD-1

Technical Parameters:

Model	MPTD-1
Melting Point Test Range	RT ~ 270ºC
Heating Rate	four levels: 0.5ºC/min; 1ºC/min; 1.5ºC/min; 3.0ºC/min
Deviation of Linear Heating Rate	<5%
Temperature Transfer Medium	Methyl silicone oil
Liquid Cup for Temperature Transfer	250ml beaker in tall form
Melting Point Test Precision	±0.5ºC, Melting Point < 200ºC ±1.0ºC, Melting Point ≥ 200ºC
Indicating Value Resolution	0.1 ºC
Operational Environment Temperature	18ºC~28ºC
Interface	Standard serial printing interface, with micro-printer.
Power Supply	AC110/220V±10%, 50/60Hz
Dimensions(W*D*H)mm	200*320*305
Packing Size(W*D*H)mm	410*295*430
Gross Weight(kg)	7

Tablet Four-usage Tester

Four function: test hardness of tablet, friability/abrasion, disintegration and dissolution rate. It is a very ideal multi-purpose drug test instrument.

Features:

- ＊ Auto-control, auto-detection, auto-diagnosis and auto-alarm.
- ＊ Auto-temperature control and high temperature control precision.
- ＊ Auto-time control and auto-timing shutdown.
- ＊ Auto-display, auto-latching, auto-reset and auto-cyclic test.
- ＊ Automatic control of friability and high control precision for cylinder rotation speed and number of turns.
- ＊ Hardness high-precision pressure sensor, digital display of hardness value.
- ＊ Continuous measurement of tablet hardness value, manual tablet feeding, motor control and automatic compression.
- ＊ Two-path disintegration operates at the same time, automatic timing shutdown.
- ＊ Imported SUS316 stainless steel is adopted for dissolution rotation baskets and paddle rods, etc.

Technical Parameters:

Model	TFUT-3
Temperature Range	(20~40℃)±0.3℃
Speed Range	(20~200rpm)±2rpm
Automatic Time Range	(1~900min)±0.5min
Stations of Dissolution	3
Paddle Radial Run-out	±0.5mm
Basket Radial Run-out	±1.0mm
Basket Assemblies	2
Nacelle Back and Forth Frequency	(30~32)times/min
Nacelle Back and Forth Range	(55±2)mm
Drum	1
Drum's Inner Size	Φ286*H39mm
Tablet Fall Height	156mm
Rotating Speed	(25±1)times/min
Rotating Count	(100±1)turns
Hardness Range	(25~199)±1N
Diameter Range	(3~40)mm
Power Supply	AC110/220V±10%, 50/60Hz
DimensionsW*D*H)mm	520*380*470
Packing Size(W*D*H)mm	700*440*680
Gross Weight(kg)	45

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Clarity Tester

It tests clarity of injection and bottled medicine liquid.

CT-1

CT-2

Features:

- ＊ Flash eliminated. Illumination is adjustable.
- ＊ Time and alarm automatically. Test continuously.
- ＊ CT-1 is one side for one operator. CT-2 are two sides for two operators.
- ＊ The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.

Technical Parameters:

Model	CT-1	CT-2
Lamp	Three-primary-color fluorescent lamp	
Illumination Range	1000~6000LUX	1000~4000LUX
Time Range	1~99s	
Consumption	40W	
Power Supply	AC110/220V±10%, 50/60Hz	
Package Size(W*D*H) mm	735*260*595	735*520*595
Gross Weight(kg)	14	20

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Gel Strength Test System

Gel strength test system is mainly used to measure the gel strength of gelatin under the stipulated environment.
It consists of: 1. Gel Strength Tester; 2. Constant Temperature Bath; 3. Refrigerator.

Features:

∗ High-definition LCD Display.
∗ Powerful data processing ability: submit mean value, final value or peak value automatically.
∗ Four kinds of sampling measurement modes: single-step, maintaining, circulating and automatic.
∗ Automatic measurement mode can help you obtain the value of gel strength faster, more accurately and more realistically.
∗ 5 kinds of sampling speeds: 0.1mm/s, 0.2mm/s, 0.5mm/s, 1mm/s and 2mm/s.
∗ Sampling depth can be preset arbitrarily (1~60mm).
∗ Professional high-precision pressure sensor.
∗ High-precision mechanical drive matches with 4-class shockproof design
∗ Automatic correction of non-linear error, automatic fault diagnosis alarm, automatic outrange protection and automatic error correction prompt.

Technical Parameters:

Model	GGST-2
Test Range	5~1000 Bloom g
Test Accuracy Range	±0.3%
Resolution	1Bloom g
Travel	1~60mm
Travel Accuracy	≤±0.1mm
Measured Diameter of Cylinder	12.700±0.010mm
Standard Gel Strength Bottle(diameter*height)	59*85mm, 150ml
Consumption	60W
Power Supply	AC110/220V±10%, 50/60Hz
Standard Accessory	Constant Temperature Bath; Refrigerator
Package Size(W*D*H)	360*360*530mm (Gel Strength Tester); 680*540*355mm (Constant Temperature Bath); 580*480*390mm (Refrigerator)
Gross Weight	12kg (Gel Strength Tester); 25kg (Constant Temperature Bath) 21kg(Refrigerator)

Laboratory Test Sieve

Application:

BK-TS200 lab test sieve is suitable for particles distribution analysis. It is primarily used to determine particle size distribution for particles, powder and liquid in laboratory and quality control department.

Screen sieve(optional)

Features:

∗ Screen mesh size range: from 4 mesh to 500 mesh.
∗ Timing range: 0~99min59s, time can be set from seconds to hours freely.
∗ Typically requires 50~150g of sample material.

Technical Parameters:

Model	BK-TS200	BK-TS300
Working Layer	1~8 layers	
Screen Mesh Size	1-10,10-250,250-350,350-400,450,500,550,600,635	
Diameter	200mm	300mm
Material	Stainless steel 304	
Timing Range	0~99min59s	
Speed	1400r/min	
Power Consumption	125W	180W
Power Supply	AC110/220V±10%, 60/50Hz	
Standard Accessory	Lid and Base	
External Size(W*D*H)	400*330*370mm	
Package Size(W*D*H)	580*490*460mm	
Gross Weight	47kg	

Medicine Stability Test Chamber

Application Range:

This equipment provides a long time stable environment of temperature, humidity and illumination for the pharmaceutical industry medicine invalidation evaluation. It's applied in the medicine accelerating test, growth test, high humidity test and high illuminance test.

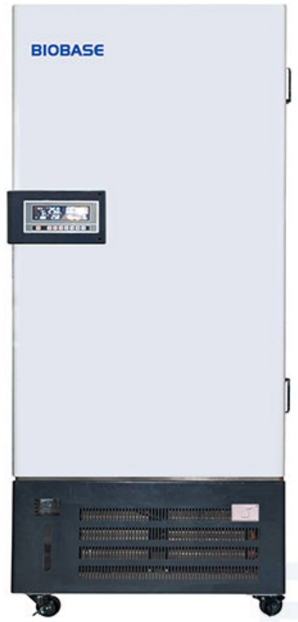
Features:

- P.I.D accurate and reliable temperature and humidity control.
- Built-in fan to form air circulation and improve temperature uniformity inside the cabinet.
- Built-in water tank and automatic water replenishment interface, when there is no humidification water, automatically disconnect the heater power.
- 50 pre-set programs for the pharmaceuticals application.
- Standard Accessory include:USB port.
- Optional:Printer,External temperature protection device.

Technical Parameters:

Model	BJPX-MS120A	BJPX-MS288A	BJPX-MS500A
Display	7' LCD		
Capacity	122L	288L	504L
Temp. Range	-20~65°C		
Temp.Fluctuation	± 0.5°C		
Temp.Uniformity	± 2°C		
Humidity Control Range	40~95% RH		
Humidity Fluctuation	±3% RH		
Illuminationation	4500 Lux,4 level adjustable ,1-side illumination		
Shelves	2 pcs adjustable		
Timing Range	1~99 hour		
Refrigeration System	R134a refrigerant CFC- free		
Alarm	High or low temperature/humidity ,sensor &systerm failure		
Optional	UV disinfection system		
Consumption	2100W	2600W	3500W
Power Supply	AC220V±10%,50/60Hz		
Chamber Size(W*D*H)	450*450*600mm	600*600*800mm	700*800*900mm
External Size (W*D*H)	600*950*1570mm	750*1100*1770mm	850*1300*1870mm
Packing Size(W*D*H)	750*1080*1760mm	950*1160*1940mm	1000*1460*2050mm
Gross Weight	138kg	168kg	250kg

Medicine Stability Test Chamber(Economic Type)



Features:

- P.I.D accurate and reliable temperature and humidity control.
- Built-in fan to form air circulation and improve temperature uniformity inside the cabinet.
- Built-in water tank and automatic water replenishment interface, when there is no humidification water, automatically disconnect the heater power.
- Standard Accessory include:Micro thermal printer.
- Optional:USB port, Stylus printer ,External temperature protection device.

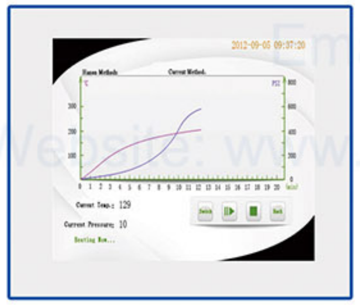
Technical Parameters:

Model	BJPX-MS250	BJPX-MS300	BJPX-MS400
Display	3.7' LCD		
Capacity	255L	298L	403L
Temp. Range	0~65°C		
Temp. Fluctuation	± 0.5°C		
Temp. Uniformity	± 2°C		
Humidity Control Range	40~95% RH (Depends on temperature, beyond 10°C)		
Humidity Fluctuation	±3% RH		
Illuminance	6000Lux, 5 level adjustable, 1-side illumination		
Shelves	2 pcs adjustable		
Timing Range	1~99 hour		
Refrigeration System	R134a refrigerant,refrigerant CFC- free		
Alarm	High or low temperature/humidity ,sensor &systerm failure		
Consumption	2400W	2900W	3400W
Power Supply	AC220V±10%, 50/60Hz		
Chamber Size(W*D*H)	470*460*1180mm	490*475*1280mm	560*600*1200mm
External Size (W*D*H)	665*880*1820mm	685*895*1920mm	755*1020*1840mm
Packing Size(W*D*H)	1010*800*1990mm	1040*790*2090mm	1140*870*2040mm
Gross Weight	158kg	178kg	200kg

Digester

Microwave Digester

Parts:



Description:

BIOBASE Microwave Digester System adopts the international advanced double magnetron frequency microwave heating system and realizes the high-power microwave balanced magnetic field safety heating.
It is widely used in food, textile, plastic, geological, metallurgical, coal, biological medicine, petroleum chemical industry, environmental monitoring, sewage treatment, battery manufacturing, cosmetics, etc.

Features:

＊ Double magnetron variable frequency control system.
＊ High accuracy pressure sensor.
＊ 5"LCD color touch screen display the temperature and pressure curve in real time.
＊ Built-in prestored methods and other programmable methods.
＊ Optical fiber temperature control system.
＊ Multiple safety protection function.
＊ It has more than ten safety protection measures to ensure experiment safety，including temperature control system, pressure control system, explosion-proof security doors, thicken cavity with multi-layer TEFLON coating, High-power exhaust system, program with suspend or start at any time. Ladder-style control temperature system, the material is TFM for the vessel and aerospace composite material for the vessel cover, the vessel cap with PFA and the pressure shrapnel use PEEK.
＊ Video monitoring function for the BMD-1 model.

Technical Parameters:

Model	BMD-1	BMD-2
Cavity	48L Resonant Cavity	
Teflon Coating	10 layers	8 layers
Digestion Method	50 preinstalled methods, programmable 100 methods	20 preinstalled methods, programmable 50 methods
Max. Temp.	305℃	
Temp. Accuracy	±0.1℃	
Pressure Accuracy	±0.01Mpa	
Temperature Sensor	Optical Fiber Sensor	
Vessel Pressure Capacity	80Mpa	75Mpa
Vessel Quantity Capacity	12 Vessels	
Vessel Volume	100ml	
Microwave Cavity Material	SS316 with 10 layers Telflon	SS316 with 8 layers Telflon
Cooling Method	Forced air cooling	
Interface	USB, RS232	/
Maximum Output Power	1600W	
Power Supply	AC220V±10%, 50Hz	
External Size(W*D*H)	600*685*660mm	
Package Size(W*D*H)	Main Body: 830*910*970mm Accessory: 820*300*130mm;540*480*170mm; 480*550*300mm 300*200*150mm(Only for BMD-1)	
Gross Weight	Main Body: 105kg Accessory: 2.5 kg; 5.5 kg; 12.5 kg; 2.5 kg (Only for BMD-1)	

Microwave Digester

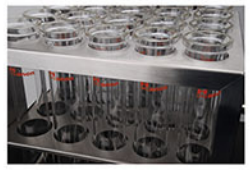
Features:

- ＊ All-steel industrial grade chamber, anti-corrosion and durable use.
- ＊ Aerospace composite fiber outer vessel, anti-explosion and anti-corrosion.
- ＊ Multi-functional safety bolt design, instead of safety membrane and other consumables.
- ＊ Precise pressure controlled by piezoelectric crystal without cross-contamination problem.

Technical Parameters:

Model	BMD-E1
Temp. Range	0~300℃
Temp. Accuracy	±1℃
Pressure Range	0~10Mpa
Pressure Accuracy	±0.01Mpa
Temperature Sensor	High-precision platinum resistor temperature sensor
Pressure Sensor	Piezoelectric crystal pressure sensor
Display	LCD display
Vessel Quantity	Standard 6 Vessels
Vessel Volume	100ml
Vessel Material	Aerospace composite fiber for outer Vessel, Modified TFM material for inner Vessel
Chamber Exhaust System	High-power anti-corrosion axial fan, exhaust speed: 3.1 m3/min
Digestion Method	Internal software, up to 20 methods can be stored
Maximum Output Power	1000W
Power Supply	AC220V±10%, 50/60Hz
External Size(W*D*H)	450*515*510mm
Package Size(W*D*H)	Main Body: 710*670*700mm; Accessory: 490*420*310mm
Gross Weight	Main Body: 63.5kg; Accessory: 9kg

Graphite Digester



Application:

BGD-420F Graphite Digester adopts globally advanced high-temperature infrared radiation heating technology and microprocessor control platform, accurate temperature control and quick temperature rise. It has two kinds of temperature rise mode: linear and curve temperature rise mode, and offers 20 digestion programs for control of temperature rise curves.

Features:

- ＊ Anti-corrosion design: TEFLON coating on the surface, acid/alkali proof.
- ＊ Heating uniform and fast: Adopt graphite block(antioxidant), heating faster and energy transfer faster, temperature between holes more uniform.
- ＊ Safety protection: adopt unique air duct insulation tech, keep the temperature ultralow, protect operator

Technical Parameters:

Model	BGD-420F
Temperature Range	RT +5 - 450℃
Temperature Accuracy	±1℃(450℃)
Heating Method	Infrared heating and high-purity graphite conduction
Heating Insulation Method	Unique air duct insulation technology
Digestion Tube Capacity	300ml
Max. Capacity	20pcs/batch
Power Supply	AC 220 V±10%, 50HZ
Power Consumption	3600W
External Size(W*D*H)	515*458*730mm
Package Size(W*D*H)	890*600*630mm
Gross Weight	57Kg

Kjeldahl Apparatus

Semi Automatic Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)

Features for BKN-984:

- ∗ 4.3 inch LCD display.
- ∗ Manual/automatic mode can be switched freely.
- ∗ Automatic accurate distribute alkali and boric acid solution.
- ∗ Automatic fault detection function, audio and visual alarm system.
- ∗ Multi-protection function, such as safety door, tube position protection, cooling water testing protection, etc.

BKN-984

Fully Automatic Kjeldahl Nitrogen Analyzer

Features for BKN-110F and BKN-986:

- ∗ Large LCD touch screen.
- ∗ Colorimetric titration device.
- ∗ Automatic distillation, titration, calculation, printing, drain and cleaning function.
- ∗ Dual distillation mode, can adjust the sequence of solution adding(Only for BKN-110F).
- ∗ Standard built-in printer, optional CAN and RS-485 interface for BKN-110F Model.

BKN-110F/BKN-986

Technical Parameters:

Model	BKN-984	BKN-110F	BKN-986
Water Consumption	1.5L/Min		
Ambient Temperature	5 ~40℃		
Ambient Humidity	80%		
Measure Range	0.1mg~240mg		
Analysis Time	3~6min (Distillation)	5~10min	
Recovery Ratio	≥99.5%		
Sample Amount	Solid ≤6g; Liquid ≤16ml	Solid ≤ 5g; Liquid ≤20ml	
Burette Accuracy	/	1.0μL/step	2μL/step
Reproducibility	/	±0.5%	
Consumption	1300W	2000W	
Power Supply	AC110/220V±10%, 50/60Hz		
Packing Size (W*D*H)	710*580*950mm	Main body: 650*580*960mm Accessories: 610*610*360mm	Main body: 650*590*960mm Accessories: 610*610*380mm
Gross Weight	60Kg	Main body:66.5kg, Accessories:13.5kg	Main body:64.5Kg, Accessories:13.5kg

Functions List	BKN-984	BKN-110F	BKN-986
Variable Steam Generator	●	●	●
Cooling Water Pressure Monitor	●	●	●
Cooling Water Temperature Monitor	●	●	●
Automatic Alkali Solution Adding	●	●	●
Automatic Dilute Water	●	●	●
Auto Receiver Solution Adding	●	●	●
Tube Emptying		●	
Removable Drain Tray	●	●	●
Safety Door	●	●	●
Tube on Position Sensor	●	●	
Tube Replacement Sensor	●	●	
Colorimetric Titration Device		●	●
Results Calculation		●	●
Result and Data Storing		●	●
Built-in Printer		●	●
Trouble Shooting Self-detecting Functions	●	●	●
Titration While Distillation		●	

Kjeldahl Digestion Furnace

Technical Parameters:

Model	BKD-20F
Temp.Range	RT+5~450℃
Temp.Accuracy	±1℃
Heating Method	Infrared heating and high-purity graphite conduction
Heating Insulation Method	Ceramic fiber and unique air duct insulation
Digestion Tube Capacity	300ml
Capacity/Batch	20 pcs/batch
Consumption	3600W
Power Supply	AC110/220V±10%,50/60Hz
Packing Size(W*D*H)	660*570*480mm
Gross Weight	34kg

GCH-03 Gas Collection Hood

Features:

- ＊ Using PFA sealing cap, longer life, dealing effect well
- ＊ Clip-on sealing cap, easy for changing
- ＊ Specialized water jet vacuum pump is adopted, don't need electric power
- ＊ Drip tray design, reduce corrosion damage from acid solutions
- ＊ Package Size: 530*350*380mm
- ＊ Gross Weight: 13.5kg

Exhaust System Scrubber

BIOBASE

Features:

- ＊ The anti-corrosion processed vacuum pump with low noise, large suction, low waste gas exhausting and power saving function
- ＊ Unique efficient neutralization device expand the contact area between gas and solutions. It is available for acid gas neutralizing, absorbing, and letting the operating environment safety.
- ＊ The triangle filtration system including water filtration, alkali neutralizing and activated carbon filtration. It has perfect neutralizing and absorbing function, can neutralize acid mist and reacting gas which is generated from Kjeldahl processing or any other processing.
- ＊ PTFE anti-corrosion design of the pipe system enhance equipment's life.
- ＊ Flow rate is adjustable, let operation flexibly.

Technical Parameters:

Model	ES402
Max. Flow Rate	2.4m³/H
Max. Negative Pressure	0.04MPa
Neutralization Methods	Water, Alkali and Carbon
External Size(W*D*H)	390*340*550mm
Packing Size(W*D*H)	640*510*720mm
Gross Weight	40kg

Semi Automatic Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)

BKN-983

Features:

BIOBASE

- ＊ 7 inch LCD display.
- ＊ Manual/automatic mode can be switched freely.
- ＊ The control system has high precision and good stability.
- ＊ 99 groups of user-defined programs.
- ＊ Automatic control of adding alkali and boric acid solution, silution and elution.
- ＊ Multi-protection function, such as safety door, overpressureprotection, watershortageprotection, etc.

Technical Parameters:

Model	BKN-983
Measure Range	0.1~240mgN
Recovery Ratio	≥99.5%
Reproducibility	±0.5%
Data Storage	100,000 groups
Sample Amount	Solid<6g; Liquid<16ml
Distillation Speed	3~4min/sample
DistillationTime	0~999s
Cooling Water Consumption	15L/min
Requirement of Cooling Water	<18℃
Consumption	2000W
Power Supply	AC220V,50/60Hz
Interface	RS 232
Standard Accessories	10L reagent barrel*3, 20L waste liquid bucket*1
Optional Accessories	Printer
PackingSize(W*D*H)	1000*600*960mm
GrossWeight	54kg

Fully Automatic Kjeldahl Nitrogen Analyzer

Features:

- ＊ Large LCD touch screen.
- ＊ The control system has high precision and good stability.
- ＊ Choose R, G, B three-color light source and three-color sensor, with a wide range of color adaptation and high precision.
- ＊ 99 groups of user-defined programs.
- ＊ 304 stainless steel material.
- ＊ Multi-protection function,such as safety door, overpressure protection, water shortage protection,etc.

Additional Features of BKN-987A:

- ＊ It could show the titration curve.
- ＊ One key to wash the alkali liquor pipes.
- ＊ Automatically discharge the waste in the digestive tubes.

BKN-987/987A

Technical Parameters:

Model	BKN-987	BKN-987A
Working Process	Adding quantitative sample dilution, alkali liquor and absorption liquid; Automatically finishing distillation, titration, print and liquid-discharging.	
Measurement Range	0.1~240mgN	0.1~210mgN
Sample Amount	Solid<6g; liquid<16ml	
Measurement Time	4-6min/(cooling water temperature 18℃)	
Requirement of Cooling Water	<18℃	
Cooling Water Consumption	1.5L/min	
Titration Solution Concentration	0.01~5 mol/L	
Titration System	High-precision plunger type titration system	
Repeatability	±0.5%	
Recovery Ratio	≥99.5%	
Data Storage	100,000 groups	
Consumption	2000W	
Power Supply	AC220V, 50/60Hz	
Interface	RS 232	
Standard Accessories	Printer, 10L reagent barrel*3, 20L waste liquid bucket*1, 1L reagent bottle*1	Printer, 10L reagent barrel*3, 20L waste liquid bucket*1, 1L reagent bottle*1, Refrigeration cycle system*1, 250g catalyst sheet*1 bottle
Packing Size(W*D*H)	1000*600*960mm	Main body: 1000*600*960mm; Accessories: 710*430*600mm
Gross Weight	57kg	Main body: 59kg; Accessories:38kg

Kjeldahl Digestion Furnace

Features:

- ＊ This product adopts PID intelligent temperature control technology, which has good temperature uniformity and strong sample digestion consistency.
- ＊ Adopting aviation industry coating technology, beautiful and durable.
- ＊ LED display, with timing shutdown, alarm and other functions.
- ＊ Stainless steel material has certain anti-corrosion ability.

Technical Parameters:

Model	BKD-8B
Temp. Range	RT~400℃
Temp. Precision	±1℃
Heating Pipe	Aluminium alloy pipe(Nichrome wire)
Heating Speed	8~15℃/min
Heating Holes	8
Aperture	Φ43.5mm
Digestion Tube Size	300ml±0.25ml
Consumption	2.2KW
Power Supply	AC220V, 50/60Hz
Package Size(W*D*H)	610*610*630mm
Gross Weight	29kg

Gas Collection Hood

Features:

- ∗ The sealing cover is pressed by a fluorine rubber (FPM) material mold, which is resistant to high temperature, strong acid and alkali.
- ∗ The collection tube goes deep into the tube to collect acid gas, which has high reliability.
- ∗ The shell is welded by 316 stainless steel plate, which has good anti-corrosion performance.

Technical Parameters:

Model	GCH-08
Collection Port	8
Suction Port	1
Package Size(W*D*H)	400*300*300mm
Gross Weight	3kg

Exhaust System Scrubber

Features:

- ∗ This product is an acid and alkali neutralization equipment with a negative pressure suction pump. The suction pump has a large flow rate, a long life, and is easy to use.
- ∗ The secondary absorption procedure of lye and distilled water ensures the reliability of gas removal.
- ∗ The gas-liquid contact surface is large, the neutralization efficiency is high, and the exhaust gas is pollution-free.
- ∗ The instrument is simple to use, safe and reliable.
- ∗ The neutralization solution is convenient to replace and easy to operate.

Technical Parameters:

Model	ES1B
Air Inlet	Two way
Suction Flow	2*30L / min
Alkaline Solution Bottle	1L
Distilled Water Bottle	1L
Lye concentration	10%-25%
Power Supply	AC220V, 50/60Hz
Consumption	120W
Net Weight	10kg
External Size(W *D *H)	330*350*310mm
Package Size (W *D *H)	460*460*460mm
Gross Weight	17kg

Anaerobic Jar

Features:

- ∗ Excellent airtight performance, avoiding any undue leakage
- ∗ PMMA material, smooth surface, shock and impact resistant
- ∗ Jar and lid are both transparent, sealing between lid and jar consists of an excellent quality O-ring
- ∗ Strong jar-lid-clamp construction, guarantee the overall airtight performance
- ∗ Colored stainless steel clamp with power electrostatic painting, durable and convenient for experimental management
- ∗ Adopting quick snap-shut coupling, enabling quick connection to the system in one swift move
- ∗ For BK-AJH Series, configuration list: anaerobic jar, 15/25R rack, pressure gauge(standard: oil type, optional: oil-free type); For BK-AJG Serise, configuration list: anaerobic jar,15/25Rrack.

BK-AJH Series

BK-AJG Series

Technical Parameters:

BK-AJH Series Pumping Type Jar: 3 to 5 minutes every time

Model	Contents	Petri Dish Holder	Packing Size(L*W*H)	Gross Weight
BK-AJH015	1stack of 6 dishes (ф9-10cm)	15R	245*215*295mm	2.3kg
	ø =130mm, h=150mm; 1.5liter			
BK-AJH025	1stack of 12 dishes (ф9-10cm)	25R	245*215*395mm	2.8kg
	ø =130mm, h=240mm; 2.5liter			
BK-AJH035	1stack of 18 dishes (ф9-10cm)	15/25R	245*215*495mm	3.3kg
	ø =130mm, h=330mm; 3.5liter			
BK-AJH050	3 stacks of 6 dishes (ф9-10cm)	3/25R	370*370*340mm	5.9kg
	ø =240mm, h=120mm; 5liter			
BK-AJH070	3 stacks of 8 dishes (ф9-10cm)	3/25R	370*370*370mm	6.3kg
	ø =240mm, h=160mm; 7liter			
BK-AJH100	3 stacks of 12 dishes (ф9-10cm)	3/25R	370*370*470mm	7.3kg
	ø =240mm, h=230mm; 10liter			

BK-AJG Series Hermetic Type Jar: About 4 hours every time

Model	Contents	Petri Dish Holder	Packing Size(L*W*H)	Gross Weight
BK-AJG015	1stack of 6 dishes (ф9-10cm)	15R	245*215*295mm	2.0kg
BK-AJG025	1stack of 12 dishes (ф9-10cm)	25R	245*215*395mm	2.5kg
BK-AJG035	1stack of 18dishes (ф9-10cm)	15/25R	245*215*495mm	3.0kg
BK-AJG050	3 stacks of 6 dishes (ф9-10cm)	3/15R	370*370*340mm	5.6kg
BK-AJG070	3 stacks of 8 dishes (ф9-10cm)	3/15R	370*370*370mm	6.0kg
BK-AJG100	3 stacks of 12 dishes (ф9-10cm)	3/25R	370*370*470mm	7.0kg

Manifolds Vacuum Filtration

Product Introduction:

- ∗ It is convenient to filtrate several samples at the same time.
- ∗ 316L stainless steel holder, corrosion resistance, acid and alkali resistance.
- ∗ Each holder has individual control valve, so one vacuum pump can support operations of single and multi-branch manifold filter.
- ∗ It can be widely used in chemistry analysis, pharmaceutical, sanitation test, water quality analysis, science research fields and so on.

Standard Accessory:

- ∗ Lid
- ∗ Stainless steel valve
- ∗ Clamp of aluminum alloy
- ∗ 316L stainless steel holder
- ∗ Glass funnel (300ml) / 316L stainless steel funnel (300ml)
- ∗ Borosilicate glass filter head / 316L stainless steel filter head

Technical Parameters:

Model	Type	Funnel	Support Screen&Pore Size	Connection	Holder	Package Size(W*D*H)	G.W.
MVF-1G	1-branch	Glass	PTFE, 20μm	Ground Joint	SS316	270*230*130mm	3kg
MVF-1S		SS316	SS316,100μm	Integral, SS316	SS316	270*230*130mm	2.9kg
MVF-3G	3-branch	Glass	PTFE, 20μm	Ground Joint	SS316	535*360*380mm	9kg
MVF-3S		SS316	SS316,100μm	Integral, SS316	SS316	480*260*130mm	5.7kg
MVF-6G	6-branch	Glass	PTFE, 20μm	Ground Joint	SS316	965*365*390mm	17kg
MVF-6S		SS316	SS316,100μm	Integral, SS316	SS316	900*260*130mm	10.3kg

Solvent Filtration Apparatus

Applications:

Solvent filter is a regular device of chemistry lab, it is indispensable equipment for HPLC analysis. This device can also be used in instrumental analysis, sanitary inspection, pharmaceutical industry, pesticide liquid filtration, petroleum, environmental monitoring fields. It can monitor and remove the particles and bacteria in the liquid.

Features:

- ∗ It is made of high quality toughened glass.
- ∗ With good press-resistance and leakproofness, it could be used for sterilizing at high temperature of 121℃.
- ∗ The PTFE type is acid and alkali resistant, corrosion resistant, can filter all kinds of aqueous solution, organic solution and corrosive liquid.

Standard Accessory:

Solvent Filter system consists of solvent filter

Filter Include:

- ∗ Triangle fluid bottle
- ∗ Core filter head
- ∗ Filter bowl
- ∗ Clamp
- ∗ Dust cover
- ∗ Rubber hose
- ∗ Hose linker

Technical Parameters:

Model	Funnel	Pore Size of Filter	Support Screen	Receiving Bottle	Membrane	Packing Size	Gross Weight
SFA-50.1L	300ml	10μm	Pyrex glass	1000ml	Φ47 or Φ50mm	310*310*190mm	2kg
SFA-50.2L	500ml	10μm	Pyrex glass	2000ml	Φ60mm	370*345*255mm	3.1kg
SFA-50.PT	300ml	20μm	PTFE	1000ml	Φ47 or Φ50mm	310*310*190mm	2kg

Bacterial Colony Counter

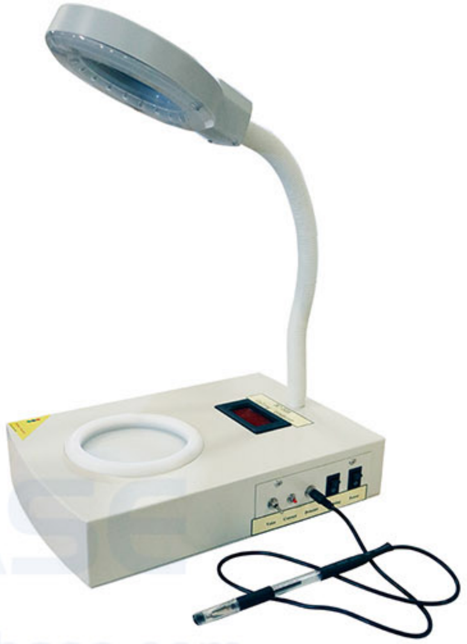
Application:

Widely used for bacilli inspection of food, drink, medicine, biological, make-up, health products, water for drink, domestic sewage, and industrial water.

Features:

- ∗ CMOS integrated circuit and LED digital display.
- ∗ The special probe counts sensitively and accurately.
- ∗ It is composed by counter, probe and count pond, etc.
- ∗ The magnification is variable by adjusting the flectional arm.

Voice
Correct
Probe
Lighting
Power



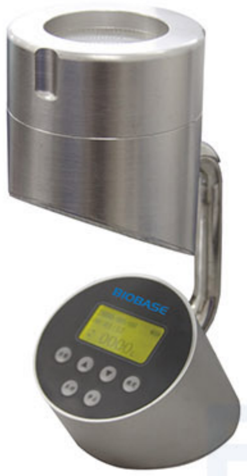
Technical Parameters:

Model	BC-50
Phonetic Counting	No
Amplification	5X, 10X
Counter Range	Standard: 0 ~ 999; Optional: 0~9999
Suitable Petri Dishes	Φ50-150mm
Character Height	13mm
Lamp Power	16W
Power Supply	AC220V, 50/60Hz
External Size(W*D*H)	270*200*70mm
Package Size(W*D*H)	370*270*330mm
Net Weight	1.7kg
Gross Weight	3kg

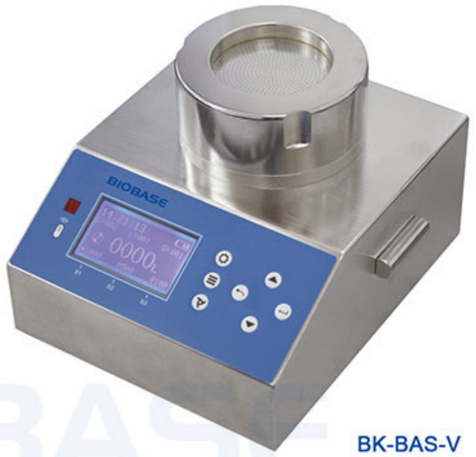
Biological Air Sampler

Application:

It is designed according to the principle of multi jet holes particle impact and isokinetic sampling. And it gets the consistence of animalcule more accurately. It is an ideal air biological sampler for medicine plant, hospital, biological products, food machining, public place, etc.



BK-BAS-IV



BK-BAS-V

Features:

- ∗ Sampling hole has many small holes to reduce particles superposition and reduce error of animalcule count.
- ∗ Programmable, sampling quantity can be set from 0.01 to 9.0m³.
- ∗ LCD screen displays sampling quantity, sampling time, etc.
- ∗ Sampling time can be set automatically.
- ∗ Up to 256 samples data storage of sampling time, sampling volume and other parameters.
- ∗ Easy to change petri dish, just only take down sampling hole to change petri dish. (Diameter: Φ90*15mm)

Technical Parameters:

Model	BK-BAS-IV	BK-BAS-V
Sampling Volume	100L/min	
Flow Velocity of Sampling Holes	0.4m/s	0.38m/s
	Basically the same as the clean room(Isokinetic sampling)	
Material	Aviation aluminum	SUS304 stainless steel
Structure	Microprocessor control, low noise pump sampling	
Rechargeable Battery	DC7.4V/6800mAh	DC14.8V/5000mAh
Operating Time on Battery	6~8h	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	120*195*300mm	235*220*180mm
Package Size(W*D*H)	190*380*420mm	400*430*240mm
Net Weight	2.5kg	4.8kg
Gross Weight	6kg	8.5kg

Carbon & Sulfur Analyzer

BK-CSA5

Introductions:

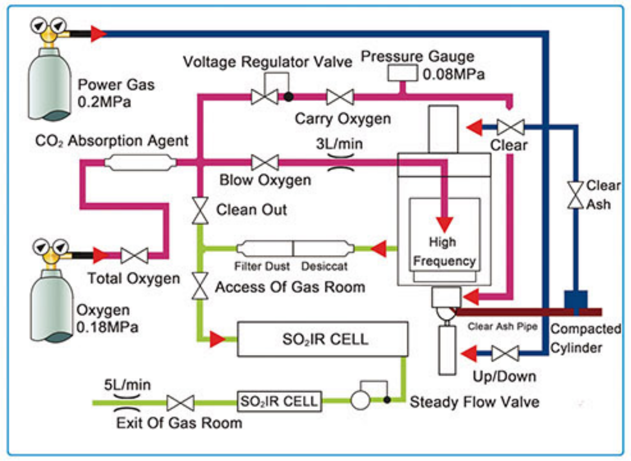
High-frequency Infrared Carbon & Sulfur Analyzer can determine the percentage of carbon and sulfur in steel, iron, alloy, nonferrous metal, cement, mineral, glass and other material.

Technical Parameters:

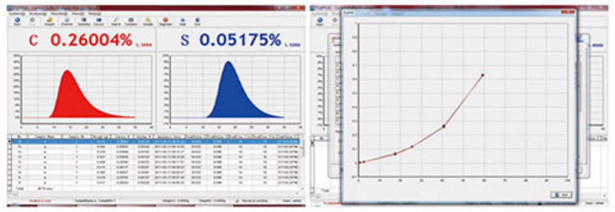
Working Principle	High-frequency inductive combustion and infrared absorption system
Sample Weight (Solid steel)	Standard 0.5g
Accuracy	C/S: 0.1ppm
Analysis Time	25-60s adjustable (normally: 35s)
Working Cycle	24 hours

The difference between BK-CSA5 and BK-CSA6:

Model	BK-CSA5	BK-CSA6
Appearance	Desktop detector, with desktop high-frequency furnace, save space	Separate work station, with vertical high-frequency furnace
Analysis Range	C: 0.0005%-6.0000% (can be extended to 99.999%) S: 0.0005%-0.5000% (can be extended to 99.999%)	C: 0.0001%-10.0000% (can be extended to 99.999%) S: 0.0001%-3.50000% (can be extended to 99.999%)
Analysis Pool	2 pools	2 pools (optional 4 pools)
Consumption	2.2KW	2.5KW
Power Supply	AC220V±10%, 50/60Hz	
Package Size(W*D*H)	1380*760*980mm	1670*750*960mm, 750*580*1430mm
Gross Weight	193kg	150kg, 180kg
Standard Accessories	Main unit, high frequency automatic inductive combustion furnace, electric balance	
	1000 times effective analysis of spare parts	


Voltage Regulator Valve
Pressure Gauge
0.08MPa
Power Gas
0.2MPa
Carry Oxygen
CO₂ Absorption Agent
3L/min
Clear
Blow Oxygen
Clear
Ash
Clean Out
High
Frequency
Filter Dust
Desiccat
Total Oxygen
Access Of Gas Room
Oxygen
0.18MPa
SO₂IR CELL
Clear Ash Pipe
Compacted
Cylinder
Up/Down
5L/min
SO₂IR CELL
Steady Flow Valve
Exit Of Gas Room

BK-CSA5/BK-CSA6 Gas Circuit Diagram


C 0.26004%
S 0.05175%

Analysis Software

Using Deliph software compiler, WINDOWS XP, Win7, Win8, Win10 system.

Using the drop-down menu and shortcut operation, with the functions of multi-user administrator, curve fitting, coefficient correction, treatment of results, printing, system diagnosis and others.

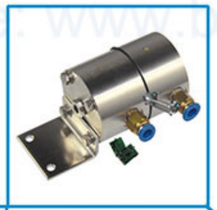
High Frequency Oscillating Circuit

Current / Voltage / Power / Choosing the way to regulate the furnace temperature, suitable to various materials of samples.

Control Circuit

Double CPU modular design, high of integration, stable and reliable.

24 bit high speed sampling chip, high sampling precision.



High Precision Pump

In response to the input pressure change, to ensure that the analysis of gas flow. Constant output, so as to ensure the stable and reliable analysis results.

Infrared Detecting Pool

Gold-plating carbon sulfur analysis pool and high precision of pyroelectric infrared detector. New platnum infrared light source, heating duration, spectral characteristics of high efficiency. Microstepping motor, good thermal stability.

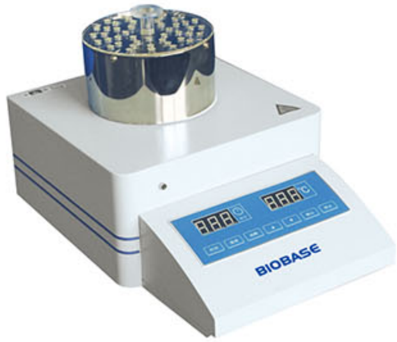
BK-CSA6

COD Analyzer

Application:

* It is widely used in water quality monitoring in environmental protection, petroleum, chemical industries, health, etc.

COD-100


COD-100R

Features:

* LCD display
* Dichromate colorimetric method, LED light source, long service life
* Two-point calibration (zero and full scale calibration)
* Measurements can be displayed directly, needless to count
* Support to connect with PC through USB interface
* Data can be consulted, deleted and printed

Technical Parameters:

Model		COD-100
Measuring Principle		Dichromate colorimetric method
Range	COD	0.0~1500mg/L
	Electrolysis Current Divide	—
Accuracy	Basic Accuracy	±8%
	Repeatability	3%
Stability		COD data changing less than 6mg/L within 20mins
Calibration		Two-point calibration(zero and full scalecalibration)
Data Storage		200 data with time-and-date stamp
Digester COD-100R	Digestion Method	Sealing reflux method(could dispelling 21 samples simultaneously)
	Digestion Temperature	100~165℃
	Digestion Time	0~120min
Power Supply		AC110/220V±10%, 50/60Hz
Standard Accessory		COD-100R digester
Package Size(W*D*H)		COD-100: 370*305*330mm, Digester: 575*435*285mm
Gross Weight		5kg, 10kg

Portable Turbidimeter

Features:

* Cold light source, narrowband interference optical system.
* Large LCD display.
* Able to store standard 20 curve and 199 measurements value.
* Anticorrosive ABS main body, waterproof IP65 design.
* 16-bit single chip microcomputer system.
* Data protection function of power failure.
* Could charge lithium-ion battery.
* USB port included.

Technical Parameters:

Model	BK-T201	BK-T202
Measuring Range(NTU)	0~400	0~1000
Basic Error(F.S)	≤± 1%	
Repeatability(F.S)	≤± 1%	
Minimum Resolution(NTU)	0.01	
Drift Per Hour(NTU)	＜ 0.1	
Power Supply	AC110/220V±10%,50/60HZ	
Package Size	410*240*330mm	
Gross Weight	2.5kg	

Benchtop Turbidimeter

Features:

* Narrow band filter system, less susceptible to interference of light
* Large LCD display
* Able to store standard 10 curve and 199 measurement value (For BK-LT3A / BK-LT3B); 10 curve and 500 measurement value (For BK-T3A/BK-T3B)
* Anticorrosive ABS body
* 16-bit single chip microcomputer system
* Printing function, USB port included (For BK-T3A/BK-T3B)

BK-T3A/BK-T3B

Technical Parameters:

Model	BK-LT3A	BK-LT3B	BK-T3A	BK-T3B
Measuring Range(NTU)	0~400	0~1000	0~400	0~1000
Basic Error(F.S)	≤± 2%			
Repeatability(F.S)	≤ ± 2%			
Minimum Resolution(NTU)	0.01			
Drift Per Hour(NTU)	＜0.1			
Power Supply	AC110/220V±10%,50/60HZ			
Package Size	410*240*330mm		410*240*330 440*240*350 (include Optional printer)	
Gross Weight	2.5kg		2.5 5.7 (include Optional printer)	

BK-LT3A/BK-LT3B

Colorimeter

Colorimeter

BCM-110

BCM-200

Features for BCM-110:

- ＊ Built-in white plate parameters. No need to calibrate each time.
- ＊ Double locating: illuminating locating and precise cross locating.
- ＊ Switchable double measurement end face: large area stable end face and small area measurement for concave-convex end face.
- ＊ New integrating sphere optical path design: eliminating the stray light of main optical path and auxiliary optical path.
- ＊ Equipped with rechargeable-capacity Li-ion battery.
- ＊ Configured CQCS3 software to realize more functions by connecting PC computure
- ＊ Hand-head structure, small and convenient

Features for BCM-200:

- ＊ Leading Humanity Design and Convenient Operation, Auto White and Black Calibration at Startup, Structure Design in line with Ergonomics
- ＊ Stable Measurement Performance
- ＊ Convenient and Fast Locating
- ＊ PC Software -CQCS3 Software realize more function expansion.
  - a. The corresponding software serial number and password protection.
  - b. Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.
- ＊ Advanced Power Management Design
  - a. Using high capacity Li-ion battery in colorimeter. It can be repeatedly charged.
  - b. Measuring more than 3000 times on one charge.

Technical Parameters:

Model	BCM-110	BCM-200
Illuminating/Viewing Geometry	8/d	
Measuring Aperture	Φ4mm	Φ8mm
Detector	Silicon photoelectric diode	
Color Space	CIEL*a*b*C*h* CIEL*a*b*CIEXYZ	
Color Difference Formula	△E*ab △L*a*b △E*C*h	
Light Source	D65	
Light Source Device	LED blue light excitation	
Display	TFT LCD	
Errors Between Each Equipment	≤0.80ΔE*ab	≤0.50ΔE*ab
Storage	100pcs standards, 20000pcs samples	100pcs standards, 20000pcs samples
Repeatability	Standard deviation within ΔE*ab 0.08 Average of 30 measurements of standard white plate	
Lamp Life	3 years, more than 1 million time	5 years, more than 1.6 million time
Charging Time	8 hours-100% electricity	2 hours(8 hours for first charge)-100% electricity
Measurement Times Before Recharging	3000 times in 8 hours	
Ambient Temp./Humidity Range	-10~40℃, relative humidity 0~85% without condensation	
Data Interface	USB	
Optional Accessory	Miniature thermal printer, Powder test box	Universal Test Components, Powder test box, Miniature thermal printer
Power Supply	Rechargeable li-ion battery 3.7V@3200mAh	
External Size(W*D*H)	205*67*80mm	205*70*100mm
Package Size(W*D*H)	450*230*380mm	
Net Weight	0.5kg	0.45kg
Volume Weight	4kg	

Spectrophotometric Colorimeter

Application:

Spectrophotometric colorimeter is widely used in plastic, electronic, painting, coating, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories. It can measure reflectance spectrum and other color index precisely. BCM-810 spectrophotometer not only can help to perform color matching and color management studies, but also can control product quality management accurately. The instrument is equipped with high-end color management software which can connect PC to achieve more extension functions.

Technical Parameters:

Model	BCM-810
Illumination/Observation System	d/8(diffused illumination, 8-degree viewing angle) Conforms to CIE No.15, GB/T 3978
Integrating Sphere Size	Φ58mm
Light Source	Combined LED sources
Sensor	Silicon photodiode array
Wavelength Range	400~700nm
Wavelength Pitch	10nm
Reflectance Range	0~200%
Measuring Aperture	Φ8mm
Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV, LAB&WI&YI
Color Difference Formula	ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*cmc(l:c), CIE2000ΔE*00, ΔE(h)
Other Chromaticity Data	WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), Metamerism index (Mt), Color strength color stain, Color fastness
Data	Metamerism Index (Mt), Color Strength Color Stain, Color Fastness
Observer	2°/10°
Illuminant	D65, D50, A, C, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Display Data	Spectral value/Graph, Colorimetric value, Color difference value/Graph, Pass/Fail result, Color offset, Color simulation, Color index setting(ΔE*94, ΔE*cmc, ΔE2000), Tolerance prompt, Reverse prompt, Time setting, Language seting, Restore factory setting
Measurement Time	1.5s
Repeatability	Spectral reflectance: Standard deviation within 0.1%(400~700nm: within 0.2%) Colorimetric value: Standard deviation within ΔE*ab 0.04 (Measurement conditions: White calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.)
Inter Instrument Agreement	Within ΔE*ab 0.2 (Average for 12 BCRA Series II color tiles)
Battery	Li-ion battery. 2800 times within 8 hours.
Lamp Life	5 years, more than 1.6 million measurements
Display	3.5 inch TFT LCD, Capacitive touch screen
Interface	USB/RS-232
Data Memory	1000 Standards, 15000 Samples
Ambient Temp.	0~40℃ (32~104°F)
Storage Temp.	-20~50℃ (-4~122°F)
Standard Accessory	Power adapter, Li-ion battery, Operating instruction, CD-ROM (Containing management software), Data line, White and black calibration cavity, Protective cover and wrist strap
Optional Accessory	Universal test components, Micro printer, Powder test box
External Size(W*D*H)	90*77*230mm
Package Size(W*D*H)	460*250*380mm
Net Weight	600g
Volume Weight	4kg
Notes	The specifications are subject to change without notice

Corpse Refrigerator

BK-XG4

BK-XG6

Features:

- ＊ Anti-vibration and anti-overturn compressor.
- ＊ Intelligent control system.
- ＊ All stainless steel.
- ＊ Polyurethane overall high pressure and high temperature foaming.
- ＊ The refrigeration system of each chamber can be controlled individually.
- ＊ Corpse tray can move freely with small roller wheels.

Technical Parameters:

Model	BK-XG1	BK-XG2	BK-XG3	BK-XG4	BK-XG6
Interior Size	2060*600*420mm, 1pc	2060*640*440mm, 2pcs	2060*640*440mm, 3pcs	2050*640*440mm,4pcs	2050*640*440mm, 6pcs
Lowest Temp.	-30℃				
Accuracy	0.1℃				
Slide	Enlarged 100mm thickness load-bearing frame				
Stretcher	Made of all stainless steel (strong corrosion resistance)				
Evaporator	Direct-cooled evaporator with built-in copper coil, no solder joints inside				
Condenser	Air-cooled condenser, silent cooling fan				
Insulation	Polyurethane overall high-pressure and high temperature foaming (thickness about 100mm)				
Power Supply	Standard: 220V, 50/60Hz; Optional: 110V, 60Hz				
Power	850W	850W	1300W	1300W	1500W
Packing Size	2700*800*700mm	2300*950*1700mm	2300*960*2200mm	2300*1800*1700mm	2300*2100*1700mm
Gross Weight	200kg	400kg	500kg	700kg	840kg

Mouse Cage

Material: PC

Material: PP

Features:

- ＊ Separate the feces and urine, easy to operate.
- ＊ Standard accessories: lids, bottles and stoppers
- ＊ Water bottle rack with a stainless steel tube below, to avoid the mouse when the water leakage to the ground.

Technical Parameters:

Model	Material	Size
BK-CP3	PP/PC	318*202*136mm
BK-CP5	PP/PC	300*200*130mm
BK-SS4	PP	485*350*200mm
BK-R1	PP	465*300*180mm 465*300*150mm
BK-R5	PP/PC	545*395*200mm
BK-H1	PP	375*330*190mm
BK-CP4	PP/PC	466*314*200mm
BK-JM1	PP	320*220*160mm
BK-JM2	PP	375*270*160mm

Dehumidifier

Home dehumidifier

BKDH-820E/830E

Features:

- ∗ With active carbon filter. ∗ Timing range: 1~24 hours.
- ∗ LED display, indicate humidity. ∗ Microcomputer control, intelligent operation.
- ∗ With drains to keep continuous drainage function.
- ∗ Low temperature available, efficient automatic defrosting system.
- ∗ E series, high sensitivity causative touch screen, D series, button screen.
- ∗ Voice prompt function: the dehumidifier stop work and alarm when the water tank is full.

Technical Parameters:

Model	BKDH-820E	BKDH-830E
Humidity Removal Capacity	20L/24H	30L/24H
Humidity Adjusted Range	40%~90%RH	
Air Circulation	280 m^3/h	310 m^3/h
Refrigerant	R134A	
Material	ABS	
Applying Area	30~70㎡	35~80㎡
Power Supply	Standard: 220V 50Hz, Optional: 110V 60Hz	
Consumption	280W	330W
Water Tank	5.1L	
External Size (W*D*H)	373*266*612mm	
Packing Size (W*D*H)	410*310*680mm	
Net Weight	14kg	14.5kg
Gross Weight	15kg	15.5kg
Border Color	Green/Black	Green/Black

Home dehumidifier

BKDH-850D/860D

BKDH-860E

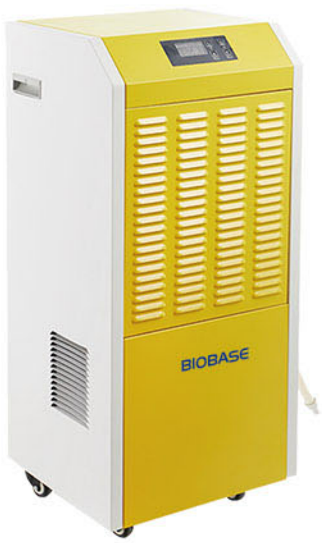
Features:

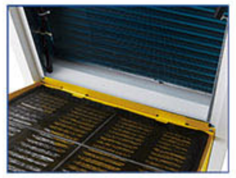
- ∗ With active carbon filter. ∗ Timing range: 1~24 hours.
- ∗ LED display, indicate humidity. ∗ Microcomputer control, intelligent operation.
- ∗ With drains to keep continuous drainage function.
- ∗ Low temperature available, efficient automatic defrosting system.
- ∗ E series, high sensitivity causative touch screen, D series, button screen.
- ∗ Voice prompt function: the dehumidifier stop work and alarm when the water tank is full.

Technical Parameters:

Model	BKDH-850D	BKDH-860D	BKDH-860E
Humidity Removal Capacity	50L/24H	60L/24H	
Humidity Adjusted Range	40%~90%RH		
Air Circulation	710 m^3/h	723 m^3/h	
Refrigerant	R410A		
Material	ABS		
Applying Area	50~110㎡	70~120㎡	
Power Supply	Standard: 220V 50Hz, Optional: 110V 60Hz		
Consumption	700W	740W	
Water Tank	10L		
External Size (W*D*H)	436*290*720mm		
Packing Size (W*D*H)	490*350*780mm		
Net Weight	23.5kg	24.5kg	
Gross Weight	26kg		
Border Color	Black		Black/Green

Commercial Dehumidifier





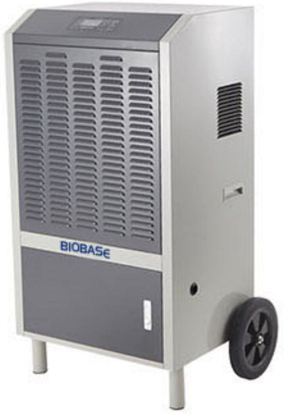
Features:

- ∗ Microcomputer control, intelligent operation
- ∗ LED display, indicate humidity
- ∗ Low temperature available, efficient automatic defrosting system
- ∗ Timing range: 1~24 hours
- ∗ Pipe continue drainage function

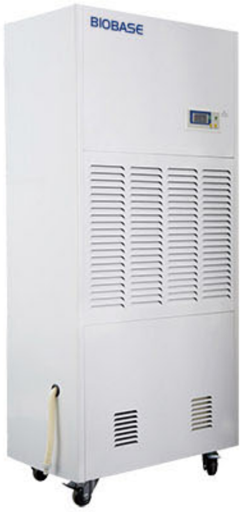
Technical Parameters:

Model	BKDH-890D	BKDH-8138D
Humidity Removal Capacity	90L/24H	138L/24H
Humidity Adjusted Range	40%~90%RH	
Air Circulation	1100 m^3/h	1200 m^3/h
Refrigerant	R410A	
Material	Cold Rolled Plate Coating	
Applying Area	90~150 ㎡	130~180 ㎡
Power Supply	Standard: 220V 50Hz, Optional: 110V 60Hz	
Consumption	1300W	1500W
External Size (W*D*H)	480*420*960mm	480*420*1060mm
Packing Size (W*D*H)	550*470*1060mm	550*470*1150mm
Net Weight	50kg	60kg
Gross Weight	55kg	65kg

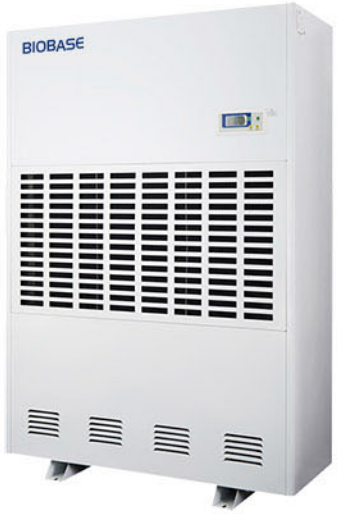
Industrial Dehumidifier



BKDH-6.8DT



BKDH-12KT



BKDH-15KT/BKDH-20KT

Features:

- ∗ With memory function in case of power-failure
- ∗ World famous brand compressor, and high-quality centrifugal fan with low noise
- ∗ Microcomputer automatic control, large LED display
- ∗ 10L built-in water tank or external pipe is available (for BKDH-6.8DT)
- ∗ Equipped with a handle and big wheels, mobile and portable (for BKDH-6.8DT)
- ∗ Timing range: 1~24 hours
- ∗ Automatic defrost system with high-efficiency
- ∗ Automatic fault diagnosis function
- ∗ Continuous pipe drainage function

Technical Parameters:

Model	BKDH-6.8DT	BKDH-12KT	BKDH-15KT	BKDH-20KT
Humidity Removal Capacity	7L/h	10L/h	16L/h	20L/h
Working Condition	At 30℃, 80% humidity , it achieves maximum dehumidifying capacity			
Air Circulation	2000m^3/h	2800m^3/h	4000m^3/h	5600m^3/h
Refrigerant	R410A			
Control Precision	±5%RH			
Applying Area	180~230 ㎡	250~350 ㎡	350~400 ㎡	450~550 ㎡
Applicable Temperature	5~38℃			
Defrost	Auto Defrost			
Consumption	2100W	3800W	6100W	8000W
Drainage Type	10L Water tank(standard) or external pipe	External pipe		
Power Supply	Standard: 220V 50Hz, Optional: 110V 60Hz	Standard:380V, 50Hz Optional: 380V 60Hz,480V 50/60Hz		
External Size(W*D*H)	525*740*1155mm	770*470*1630mm	1095*485*1750mm	1095*485*1750mm
Package Size(W*D*H)	770*590*1260mm	870*570*1640mm	1105*495*1760mm	1280*620*1900mm
Net Weight	95kg	140kg	250kg	270kg
Gross Weight	100kg	150kg	260kg	280kg

Densimeter

Solid Densimeter

Application:

Any type of solid, such as rubber, plastic, cables, hard alloy, glass, metal, powder, ceramics, fireproofing materials, magnetic materials, mineral and rock, cement, jewelry, etc.

Features:

- ∗ Automatic zero tracking, buzzer warning, and overload warning.
- ∗ Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
- ∗ RS-232C included.

BIOBASE

Technical Parameters:

Model	BK-DME300S	BK-DME600S
Capacity	0.005~300g	0.005~600g
Density Resolution	0.001g/cm³	
Density Range	0.001~99.999g/cm³	
Measuring Time	About 5s	
Measuring Principle	Archimedes principle	
Specific Gravity Measuring Frame	Unibody injection forming professional specific gravity measurement frame Size: 176*105*111 *mm (L*W*H)	
Measuring Tank	Unibody injection forming transparent measuring tank Size: 169*98*83 *mm (L*W*H)	
Standard Accessories	Tank, testing board, tweezer, thermometer, 100G weight, windshield, a set of particle measuring assembly, a set of floating body measuring assembly, power transformer.	
Optional Accessories	DE-40 printer	
Power Supply	AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm	450*200*360	
Gross Weight(kg)	6.5	

Liquid Densimeter

Application:

Any type of liquid.

Measurement of special liquid such as volatile liquid, corrosive liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

- ∗ LCD Display.
- ∗ Samples under the temperature from normal to 100℃ can be measured.
- ∗ RS-232C included.

BIOBASE

Technical Parameters:

Model	BK-DME300L
Capacity	0.005~300g
Density Resolution	0.001g/cm³
Density Range	0.001~99.999g/cm³
Measuring Time	About 5s
Measuring Principle	Archimedes principle displacement method
Weight Value Data Storage	1 group
Specific Gravity Measuring Frame	Stainless steel specific gravity measuring frame
Calibration Mode	Auto correction, auto detection.
Result Testing Method	Distilled water testing
Standard Accessories	Measuring plate, tweezer, thermometer, 100G weight, windshield, measuring frame, power transformer, DE-20A standard liquid measuring assembly (Components of DE-20A standard liquid measuring assembly: Two stainless steel pothooks, one normal glass weight, one normal stainless steel weight, two beakers)
Optional Accessories	DE-40 printer, DE-20B anti corrosive liquid measuring assembly,
Power Supply	AC110/220V±10%, 50/60Hz
Package Size(W*D*H)mm	450*200*360
Gross Weight(kg)	6.5

Solid and Liquid Densimeter

Application:

It is suitable for the field of quality management, cost control, new formula researching and material studying, etc. Any form of solid could be measured.

Measurement of special liquid such as volatile liquid, corrosivity liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

∗ Automatic zero tracking, buzzer warning, and overload warning.

∗ Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.

∗ Actual water temperature compensation.

∗ RS-232C included.

Technical Parameters:

Model			BK-DME300D	BK-DME600D
Capacity			0.005~300g	0.005~600g
Density Resolution			0.001g/cm³	
Density Range			0.001~99.999g/cm³	
Measuring Time			About 5s	
Solid Mode	Measuring Principle		Archimedes principle general solid test method	
	Specific Gravity Measuring Frame		Unibody injection forming professional specific gravity measurement frame Size: 176*105*111mm (L*W*H)	
	Measuring Tank		Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)	
	Mixed Material Percentage	Function introduction	Automatically read the percentage of the main material in composite which consist of two materials	
		Setting	Freely set the density value of main material and subordinate material	
		Display	Density value, percentage of main material	
Liquid Mode	Measuring Principle		Archimedes principle displacement method	
	Weight Value Data Storage		1 group	
	Specific Gravity Measuring Frame		Stainless steel specific gravity measuring frame	
	Memory Mode		Dynamic memory	
	Result Display		Density value	
	Result Testing Method		Distilled water testing	
Calibration Mode			Auto correction, auto detection.	
Standard Accessories			Common Use: Tweezer, thermometer, 100G weight, windshield, power transformer. Solid Use: Tank, testing board, a set of particle measuring assembly, a set of floating body measuring assembly. Liquid Use: Measuring plate, measuring frame, DE-20A standard liquid measuring assembly	
Optional Accessories			DE-40 printer, DE-20B anti corrosive liquid measuring assembly	
Power Supply			AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm			450*200*360	
Gross Weight(kg)			6.5	

Precious Metal Tester

Application:

Distinguish K value of gold, PT value of platinum, density value, purity percentage can be measured.

Pawning house, bank, jewelry shop, precious-metals recovery, jewelry factory, Gemstone Testing Center, precious metals researching, etc.

Note: Unable to measure sample which is hollow or with inserted gems.

Features:

∗ Multi-mode, gold mode, platinum mode, other precious metals mode can be switched.

∗ Top and bottom limitation of K value, purity and density of gold. And prompt alarm.

∗ Automatic zero tracking, buzzer warning, and overload warning.

∗ No damage testing, cleaning and environmental protection.

∗ Could be used as precision balance.

∗ Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.

∗ RS-232C is included.

Technical Parameters:

Model		BK-DMG300K	BK-DMG600K	BK-DMG900K	BK-DMG1200K	BK-DMG2000K
Capacity		0.005~300g	0.005~600g	0.01~900g	0.01~1200g	0.01~2000g
Density Resolution		0.001g/cm³				
Measuring Time		10~15s				
Measuring Principle		Archimedes principle				
Testing Board		Unibody high-capacity plastic testing board				
Gold Mode	Display K Value	The K value of mixture of gold, silver, and copper; mixture of gold and copper; mixture of gold and silver				
	Display Purity Percentage	The purity content of mixture of gold, silver and copper; mixture of gold and copper; mixture of gold and silver				
	K Value Range	9K~24K				
	Copper and Silver Proportion Setting	Cycle setting depends on user's preference (default 7:3)				
Platinum	Display Value	PT percentage, density value, volume				
	PT Value Range	Pt600~Pt1000				
Measuring Tank		Unibody injection forming transparent professional measurement tank Size: 169*98*83mm (L*W*H)				
Calibration Mode		Auto correction, auto detection.				
Standard Accessories		Tank, testing board, tweezer, thermometer, weight, windshield, power transformer, a set of gold particle measuring assembly				
Option Accessories		DE-40 printer				
Power Supply		AC110/220V±10%, 50/60Hz				
Package Size(W*D*H)mm		450*200*360				
Gross Weight(kg)		6.5	6.5	6.5	6.5	6.5

High-precision Solid and Liquid Densimeter

BK-DMH120D

BK-DMH300D

Application:

It is suitable for the field of quality management, cost control, new materials researching, scientific academies, researching key laboratories, quality inspection, etc.

Any form of solid could be measured, including objects of hydroscopicity, non-absorbency, high-viscosity.

Measurement of special liquid such as volatile liquid, corrosivity liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

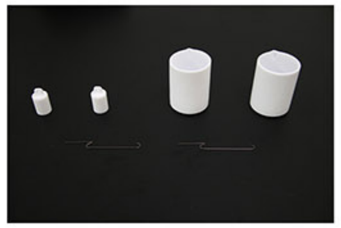
∗ Automatically check whether density is qualified or not and prompt alarm.
∗ Automatic zero tracking, buzzer warning, and overload warning.
∗ Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
∗ RS-232C is included.

Accessories for Densimeter

Standard Accessory:

DE-20A standard liquid measuring assembly

Optional Accessories:



DE-20B anti corrosive liquid measuring assembly

DE-40 printer

Technical Parameters:

Model			BK-DMH120D	BK-DMH300D
Capacity			0.001~120g	0.005~300g
Density Resolution			$0.0001g/cm^3$	$0.001g/cm^3$
Density Range			$0.0001\sim99.9999g/cm^3$	$0.001\sim99.999g/cm^3$
Measuring Time			About 5s	
Solid Mode	Measuring Principle		Archimedes principle	
	Measurable Items		Density of general non-absorbency solid. Density of porosity materials. Oil length of oil bearing. Porosity of porosity materials. DIN volume abrasion loss of rubber. Powder density. Water absorption rate.	
	Specific Gravity		Unibody injection forming professional specific gravity measurement frame Size: 135*50*116mm (L*W*H)	
	Measuring Frame Measuring Tank		Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)	
	Mixed Material Percentage	Function introduction	Automatically read the percentage of the main material in composite which consist of two materials	
		Setting	Freely set the density value of main material and subordinate material	
		Display	Density value, percentage of main material	
Liquid Mode	Measuring Principle		Archimedes principle displacement method	
	Weight Value Data Storage		3 groups	
	Specific Gravity Measuring Frame		Stainless steel specific gravity measuring frame	
	Result Display		Density and Baume value	
	Result Testing Method		Distilled water testing	
Calibration Mode			Auto correction, auto detection.	
Standard Accessories			Common Use: Tweezer, thermometer, 100G weight, windshield, power transformer. Solid Use: Tank, testing board, a set of particle measuring assembly, a set of floating body measuring assembly. Liquid Use: Measuring plate, measuring frame, DE-20A standard liquid measuring assembly	
Optional Accessories			DE-40 printer, DE-20B anti corrosive liquid measuring assembly	
Power Supply			AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm			450*200*360	
Gross Weight(kg)			6.5	

Electrophoresis Power Supply

Application:

Suitable for common protein and nucleic acid electrophoresis, suitable for multiple tanks in one machine.

Features:

- Display: Seven-inch large touch screen, convenient touch operation, automatic generation of digital keyboard when setting, display the clock timing temperature running status and various prompt operations.
- Storage step by step: 10 programs can be edited and saved, and each program can be run in 10 steps.
- Protection function: over current, overload, over temperature, no load, short circuit load mutation protection function.
- Micro current: After the timing operation is over, the micro current output can be maintained when no one is shutting down.
- Automatic setting: When one of the indicators of constant voltage, current and power, the other two items will automatically rise to the maximum value without manual adjustment.
- Appearance: The appearance is tall and full of technology.

Technical Parameters:

Model	BEP-600D
Output	Constant-voltage or current or power(adjustable)
Output Range	5-600V; 1-1200mA; 5-300W
Increment	1V, 1mA, 1W
Timing	1min~99h59min
Parallel Output	4 groups
Temperature Check	-20℃~+85℃
Power Supply	AC220V±10%, 50/60Hz(standard); 110V±10%, 60Hz(optional)
External Size(L*W*H)	300*300*130mm
Package Size(L*W*H)	450*410*260mm
Gross Weight	3.6kg

Electrophoresis Power Supply

Application:

The electrophoresis Power supply is a dedicated power supply device for electrophoresis.
Be extremely careful when used in other occasions.
In addition, the power supply of the electrophoresis instrument cannot be used in series or parallel with other charged equipment.

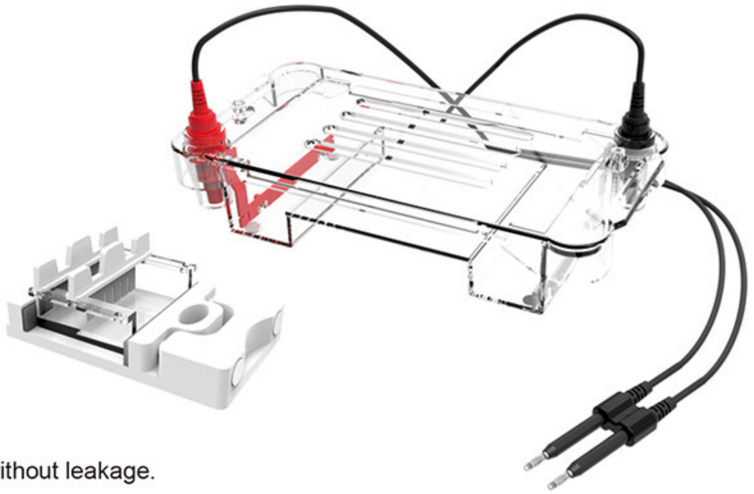
Features:

- Large-screen LCD displays voltage, current, power and timing time at the same time.
- Voltage, current and power closed-loop control, realizing adjustment during operation.
- With call recovery function.
- After reaching the set time, it has the function of maintaining small current.
- Perfect protection and early warning functions.
- With memory storage function.
- One machine with multiple slots, four parallel outputs.

Technical Parameters:

Model	BEP-300I	BEP-600I
Voltage Output Range	2-300V(Resolution:1V)	5-600V(Resolution:1V)
Current Output Range	5-2000mA(Resolution:1mA)	4-600mA(Resolution:1mA)
Power Output Range	1-300W(Resolution:1W)	
Input Voltage	220V, 50/60Hz	
Parallel Output	4 groups	
Timing Function	1min-99h59min, adjustable	
External Size(L*W*H)	250*350*105mm	
Package Size(L*W*H)	440*330*210mm	
Net Weight	3.5kg	
Gross Weight	6kg	

Horizontal Electrophoresis Tank



Application:

Horizontal electrophoresis is a basic means in molecular biology research. It is widely used for DNA detection and separation, and molecular testing in the nucleic acid analysis, purification and preparation experiment.

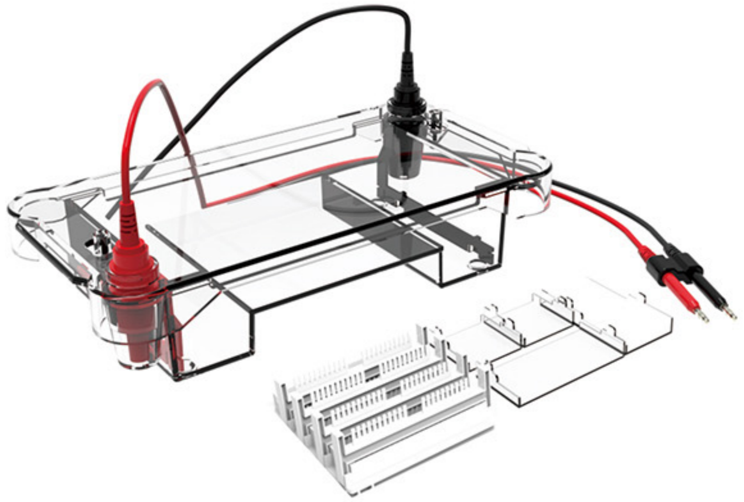
Features:

- ＊ Polycarbonate is injection molded at one time without leakage.
- ＊ The cooling hole design on the upper cover effectively avoids the condensation of water vapor.
- ＊ Special telescopic elastic glue maker to ensure clean and no leakage of glue.
- ＊ The limit function prevents the positive and negative electrodes from being reversed.
- ＊ Highly flexible wire, power-off design when opening the cover to ensure safety.
- ＊ The electrode head can be replaced for easy maintenance.
- ＊ 99.99% high-purity platinum electrode, the best electrical conductivity, corrosion and aging resistance.
- ＊ Recommended power supply: BEP-300I, BEP-600I, BEP-600D.

Technical Parameters:

Model	BK-HET01
Gel Trays(W*L)	75*60mm
Buffer Volume	300ml
Comb Thickness	1&1.5mm
Comb Throughput	6, 11 samples
NO. Of Samples	6~22
Standard Accessories	Body tank with electrode*1, Cap*1, Gel tray*1, Gel box*1, 1.0mm thickness 6/11 wells comb*2, 1.5mm thickness 6/11 wells comb*2
External Size(L*W*H)	180*90*70mm
Package Size(L*W*H)	290*290*200
Gross Weight	1.1kg

Horizontal Electrophoresis Tank



Application:

Horizontal electrophoresis is a basic means in molecular biology research. It is widely used for DNA detection and separation, and molecular testing in the nucleic acid analysis, purification and preparation experiment.

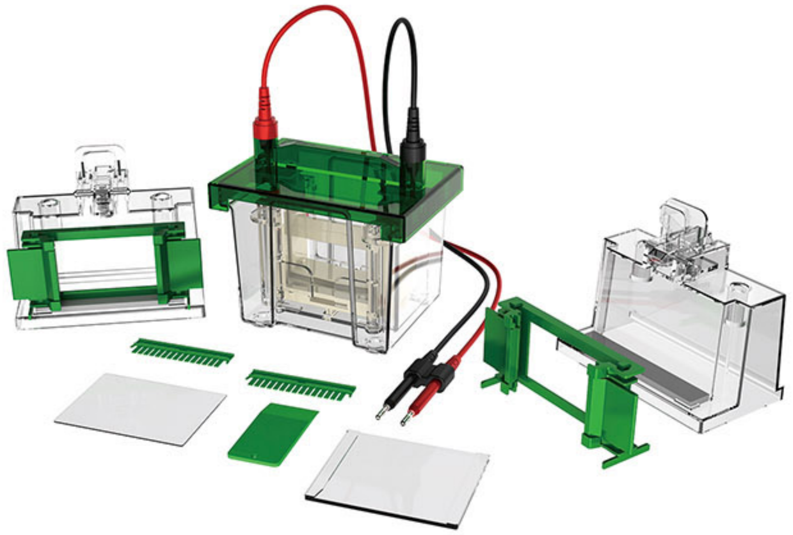
Features:

- ＊ Polycarbonate is injection molded at one time without leakage.
- ＊ Can make 4 kinds of different sizes of gel, two types of glue maker are optional.
- ＊ The limit function prevents the positive and negative electrodes from being reversed.
- ＊ Optional electrophoresis monitor can monitor the electrophoresis band in real time during the electrophoresis process.
- ＊ The electrode head can be replaced for easy maintenance.
- ＊ 99.99% high-purity platinum electrode, the best electrical conductivity, corrosion and aging resistance.
- ＊ Recommended power supply: BEP-300I, BEP-600I, BEP-600D.

Technical Parameters:

Model	BK-HET02
Gel Trays(W*L)	120mm*120mm, 120mm*60mm, 60mm*120mm, 60mm*60mm
Buffer Volume	700ml
Comb Thickness	1&1.5mm
Comb Throughput	2, 3, 6, 8, 11, 13, 18, 25 samples
NO. Of Samples	2~50
Standard Accessories	Body tank with electrode*1, Cap*1, Gel tray*5, Gel box*1, 1.5mm thickness 2/3 wells comb*1, 1.0mm thickness 6/13 wells comb*2, 1.0mm thickness 8/18 wells comb*2, 1.0mm thickness 11/25 wells comb*2
External Size(L*W*H)	270*140*80mm
Package Size(L*W*H)	400*360*270mm
Gross Weight	2kg

Vertical Electrophoresis Tank



Application:

Vertical electrophoresis is used for separation, purification and preparation of nucleic acid and protein samples in life science research.

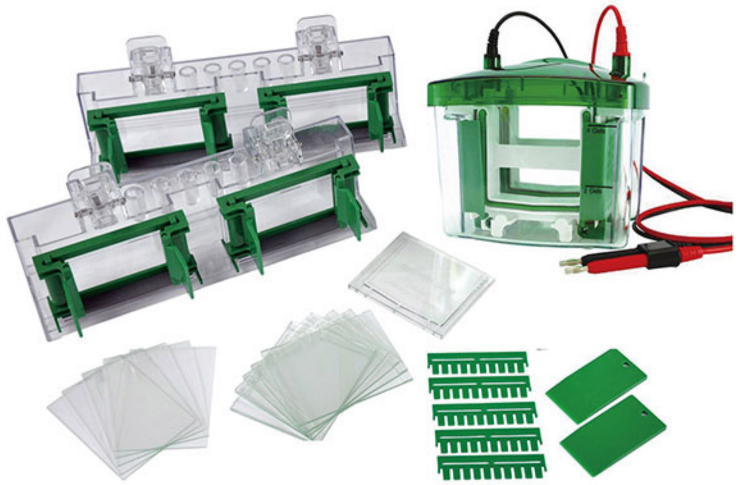
Features:

- ∗ High-transparency polycarbonate injection molding, durable and easy to observe.
- ∗ The integrated design of the glass cushion strip ensures that there is no leakage of glue.
- ∗ The special glue making rack makes the glue making operation simple and reliable.
- ∗ Open the cover and cut off the power to ensure the safety of the experiment.
- ∗ The upper cover limit function ensures that the polarity of the electrode will not be connected incorrectly.
- ∗ The power-off function of opening the lid ensures the safety of the experiment.
- ∗ It can make double-board glue at the same time, with clear strips.
- ∗ 99.99% high-purity platinum electrode, the best conductivity, strong corrosion resistance.
- ∗ Recommended power supply: BEP-300I, BEP-600I, BEP-600D.

Technical Parameters:

Model	BK-VET01
Glass Tray (W*L)	Thick type: 101*83mm, thin type: 101*73mm
Gel Trays(W*L)	Hand glue: 83*73mm, precast glue: 86*68mm
Comb Thickness	Standard 1.0mm, optional 0.75&1.5mm
Comb Throughput	10, 15 samples
Amount of Gel	1~2 pcs
NO. of Samples	10~30pcs
Buffer Volume	700ml
Standard Accessories	Body tank *1, Cap*1, Electrode core*1 set, Gel casting base*2, Gel frame*2, Single glue baffle*1, Gel shovel*1, Glass plates*5 pairs, 1.0mm thickness10 wells comb*2, 1.0mm thickness 15 wells comb*2
External Size (L*W*H)	150*120*130mm
Package Size(L*W*H)	400*350*300mm
Gross Weight	2.7kg

Vertical Electrophoresis Tank



Application:

Vertical electrophoresis is used for separation, purification and preparation of nucleic acid and protein samples in life science research.

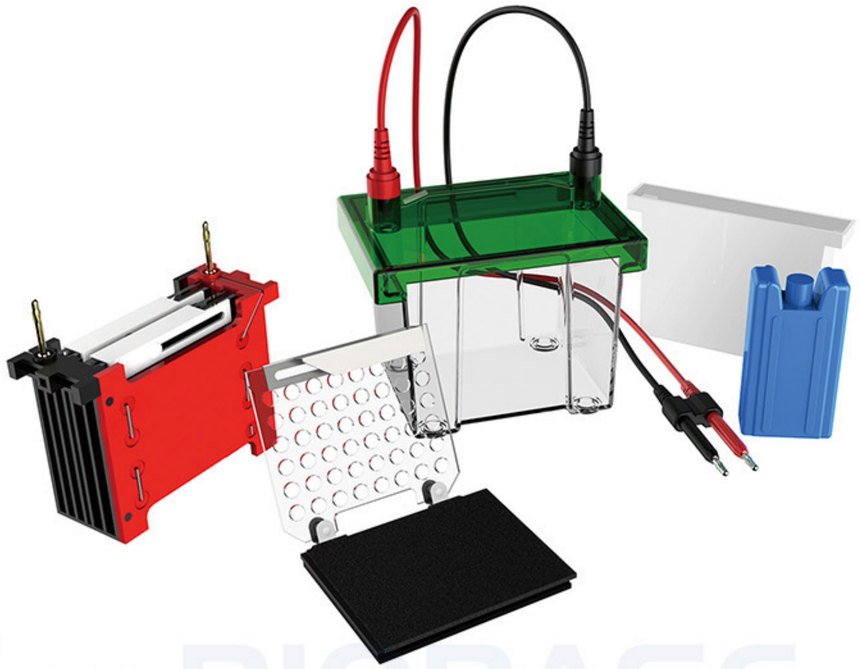
Features:

- ∗ High-transparency polycarbonate injection molding, durable and easy to observe.
- ∗ The integrated design of the glass cushion strip ensures that there is no leakage of glue.
- ∗ The special glue making rack makes the glue making operation simple and reliable.
- ∗ Open the cover and cut off the power to ensure the safety of the experiment.
- ∗ The upper cover limit function ensures that the polarity of the electrode will not be connected incorrectly.
- ∗ The power-off function of opening the lid ensures the safety of the experiment.
- ∗ It can make double-board glue at the same time, with clear strips.
- ∗ 99.99% high-purity platinum electrode, the best conductivity, strong corrosion resistance.
- ∗ Recommended power supply: BEP-300I, BEP-600I, BEP-600D

Technical Parameters:

Model	BK-VET02
Glass Tray (W*L)	Thick type: 101*83mm, thin type: 101*73mm
Gel Trays(W*L)	Hand glue: 83*73mm, precast glue: 86*68mm
Comb Thickness	Standard 1.0mm, optional 0.75&1.5mm
Comb Throughput	10 samples
Amount of Gel	1~4 pcs
NO. of Samples	10~40pcs
Buffer Volume	1000ml
Standard Accessories	Body tank *1, Cap*1, Electrode core*1 set, Gel casting base*2, Gel frame*4, Single glue baffle*1, Gel shovel*1, Glass plates*5 pairs, 1.0mm thickness10 wells comb*5
External Size (L*W*H)	180*130*130mm
Package Size(L*W*H)	400*350*300mm
Gross Weight	3.9kg

Western Blot Electrophoresis Tank



Application:

This product is a fast and high-quality transfer operation for small protein gels.

Features:

- The positive electrodes are gathered together 4cm to generate a strong electric field for effective protein transfer. The built-in ice box or blue crystal ice box is optional to quickly absorb the heat generated during the electrophoresis process.
- Use with BK-VET01, BK-VET02.
- Highly flexible wire, power-off design when opening the cover to ensure safety.
- The electrode head can be replaced for easy maintenance.
- 99.99% high-purity platinum electrode, the best electrical conductivity, corrosion and aging resistance.
- Recommended power supply: BEP-300I, BEP-600I, BEP-600D.

Technical Parameters:

Model	BK-TET01
Transfer Gel Area (W*L)	110*90mm
Buffer Volume	700ml
Standard Accessories	Body tank *1, Cap*1, Transfer core*1 set, Transfer clip*2, Sponge cushion*4, Ice box*3, Bubble roll*1
External Size (L*W*H)	150*120*130mm
Package Size(L*W*H)	290*290*200mm
Gross Weight	1.3kg

UV Transilluminator

Function Overview:

The function of the ultraviolet analyzer is to be used for fluorescence analysis: when a material molecule in the ground state is exposed to excitation (ultraviolet light), it absorbs the excited energy and the material molecule is in the excited state.

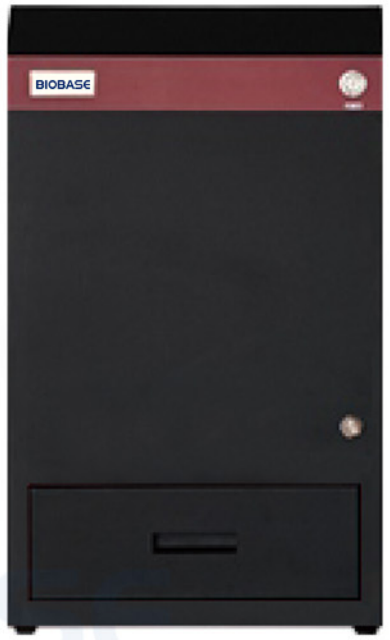
Features:

- Equipped with a fixed camera port rack, the instrument is suitable for most SLR cameras on the market.
- With anti-ultraviolet observation window filter 99% ultraviolet, real-time observation of the sample situation, more intuitive, more safe.
- Nano medical ultraviolet lamp, the ultraviolet intensity of 20μW/cm away from the sample, in line with the measurement standard.

Technical Parameters:

Model	BK-UA2
UV Lamp	6W*10pcs
Reflection Wavelength	254nm, 365nm
Transmission Wavelength	302nm
Visible Light	60W
Reflective Filter Size	200*80mm
Transmission Filter Size	200*150mm
UV Intensity	Ultraviolet intensity of 20cm away from the sample reaches 20μW/cm²
Power Supply	220V, 50Hz
Packing Size	480*395*535mm
Gross Weight	7kg

Automatic Gel Imaging and Analysis System



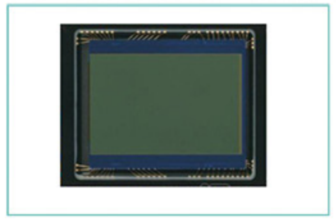
Introduction:

Automatic Gel Imaging and Analysis System is a highly integrated and fully automated gel imaging system, system interface is simple and practical, the main interface has shooting button and time control to guide the user, it is ver y easy to operate, no need to have manual and tedious debug, it is your best choice.

BIOBASE

Features:

High-resolution CMOS camera, high sensitivity, high resolution, with automatic focus and high performance 6 times len, specialized filter for nucleic acid dye.



CMOS Camera

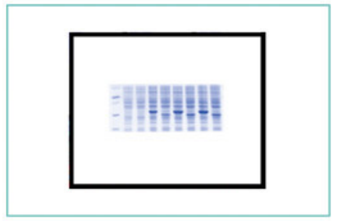
Autofocus Lens

Multilayer Coating Filter

Specialized overlay glue cutting filter, compared with the traditional one, it has many advantages, easy to operate, can prevent UV and blue light damage, no need to operate in dark room, work ver y well under strong light condition The white light sample plate is used for SDS -PAGE glue samples shooting.

UV sample plate

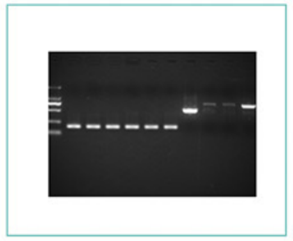
Glue Cutting Filter



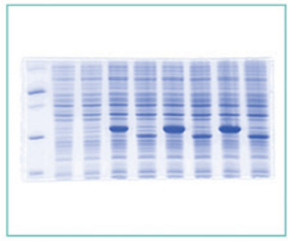
White Sample Plate

Application:

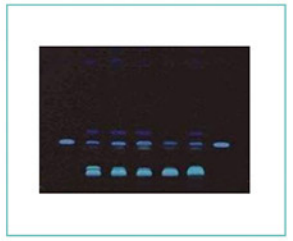
It can be used to do nucleic acid test for various fluorescent dyes, such as EB, SYBRGold, SYBR Green, SYBR Safe, Gel Red Gel GreenTexas, Red, Fluorescein marked DNA/RNA.



DNA Gel Imaging



SDS-PAGE Imaging



Thin-layer Chromatography

Colony Counting

Technical Parameters:

Mode	BK-AG100
Pixel	2592*1944(5.03MP)
Exposure Time	1ms-3000ms
QE Value	High QE: >65%
Binning	1*1
Bit Depth	16 bit （0 - 65535)
OD	≥4.8 OD
Lens	Motorized 8-48 mm, F1.2
Trans-UV	302nm
Epi-White	LED
Trans-White	UV to white sample plate
Epi-UV	254nm、302nm、365nm
Filters	590nm，Others for option
UV Area	21*21cm
Timing Off	1～60 mins
Power Supply	100-240V, 50/60Hz
Packing Size	460*475*725mm
Gross Weight	31kg

BIOBASE

Fluorescent Quantitative Detection System

BIOBASE
LEIA

Introduction:

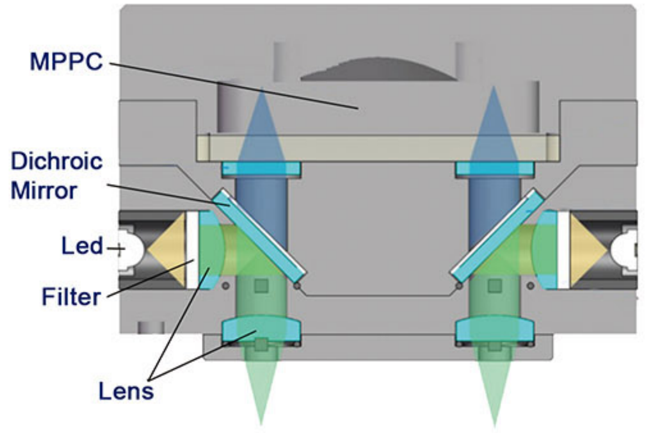
Real- time PCR is used for sensitive, specific detection and quantification of nucleic acid targets. We have developed powerful assay design algorithms, optimized qPCR regent, intuitive data analysis software, and flexible instrumentation to help harness the power of qPCR across a rich and diverse set of applications. Explore our robust solutions for your qPCR-based research.

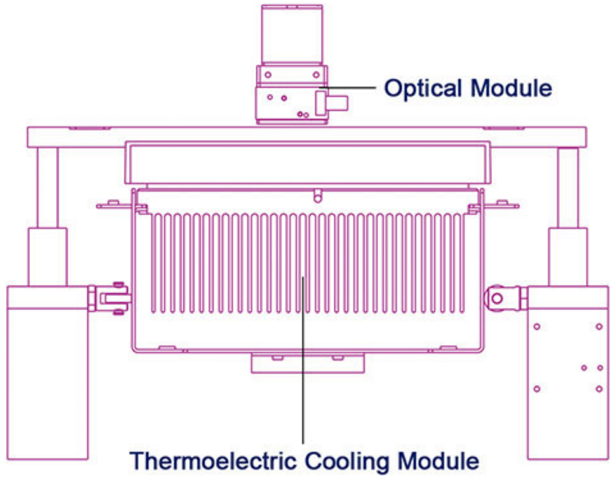
Application:

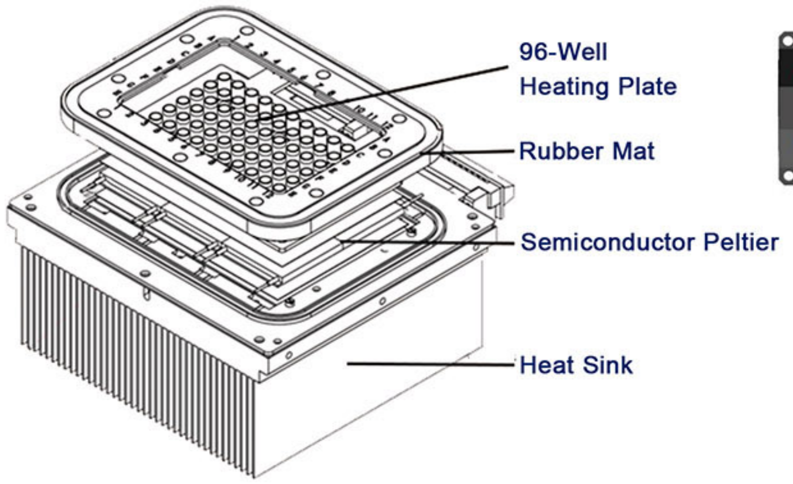
It can be widely used for Infectious disease research, Food pathogen detection, Waterborne pathogen detection, Pharmaceutical analytics, Stem cell research, Pharmacogenomics research, Oncology and genetic disease research, Plant sciences and agricultural biotechnology.

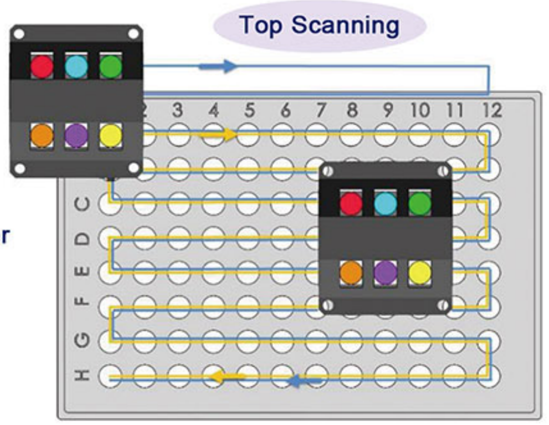
Working Principle:

The temperature step change is controlled by the semiconductor peltier to realize PCR amplification. Use high-sensitivity MPPC unit to detect fluorescence; Program control channel switching, non-contact excitation/detection on the top structure, coordinated with motor control x and Y axis movement to achieve 96-hole scanning. Finally, accurate analysis is carried out through powerful software.


MPPC
Dichroic Mirror
Led
Filter
Lens


Optical Module
Thermoelectric Cooling Module


96-Well Heating Plate
Rubber Mat
Semiconductor Peltier
Heat Sink


Top Scanning
2
3
4
5
6
7
8
9
10
11
12
C
D
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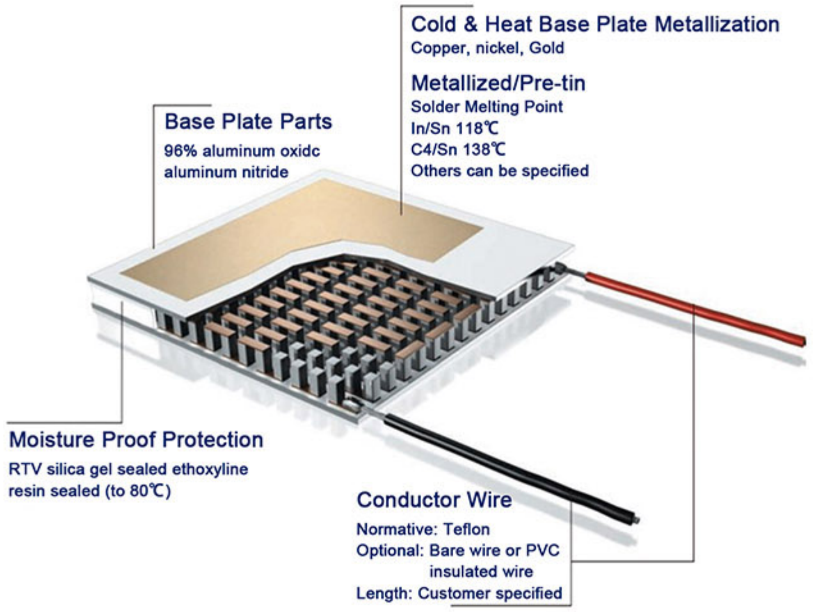
G
H

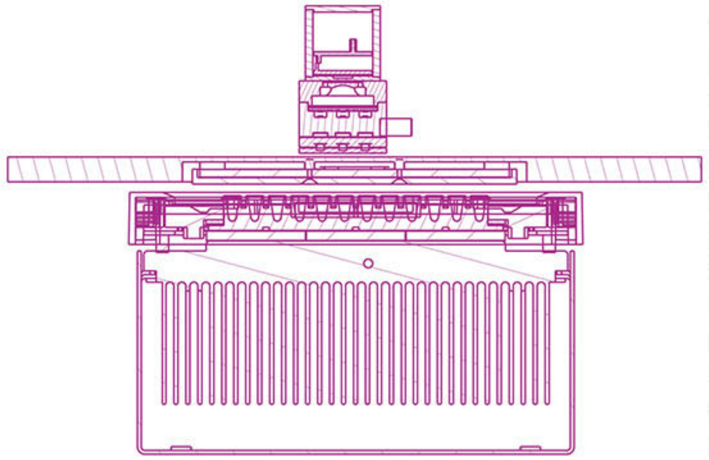
Features:

- ＊ Excellent temperature control performance of the instrument, the maximum temperature rise and fall ≥5.0℃/s.
- ＊ No edge effect, no optical path correction, top excitation/detection, non-contact measurement.
- ＊ Fluorescence detection adopts MPPC sensor with high sensitivity.
- ＊ Long-life LED light source, stable emission wavelength, maintenance-free.
- ＊ 4-channel fluorescence detection, no cross interference between channels.
- ＊ User-friendly and fully functional software, flexible program setting, comprehensive analysis and reporting functions, all the parameters can be stored.


Cold & Heat Base Plate Metallization
Copper, nickel, Gold
Metallized/Pre-tin
Solder Melting Point
In/Sn 118℃
C4/Sn 138℃
Others can be specified
Base Plate Parts
96% aluminum oxidc
aluminum nitride
Moisture Proof Protection
RTV silica gel sealed ethoxyline
resin sealed (to 80℃)
Conductor Wire
Normative: Teflon
Optional: Bare wire or PVC
insulated wire
Length: Customer specified

Real-time PCR Hardware:

Thermoelectric cooling module (TEM) is a semiconductor device composed of many tiny and effective heat pumps. By applying a low-voltage DC power supply, heat will be transferred from one side of the TEM to the other side, resulting in a phenomenon that one side of the TEM becomes hot and the other side becomes cold. Since this phenomenon is completely reversible, when the polarity of the DC power supply is changed, it will be affected. Shift in the opposite direction. This product adopts a long-life series TEM, which provides longer life and more efficiency during thermal cycling.



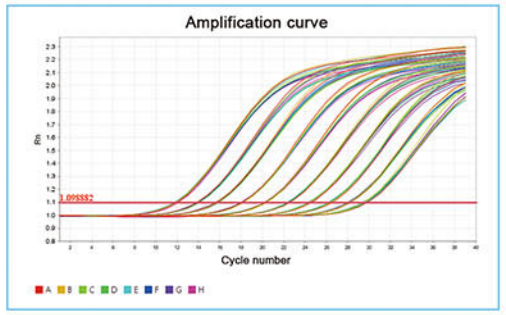
The integrated design of the scanning module and the heating cover module, relying on its own gravity to compress the heating plate and the reagent cover, and is supported by four compression springs to prevent the sample tube from being crushed; at the same time, the rubber pad around the heating cover is pressed to ensure that there is no external light source interference in the detection ; The bottom of the cam mechanism is used to support the spacing to ensure the smooth sliding of the heating module; the guide rail mechanism on both sides of the heating module prevents the module from shifting and ensures the accuracy of the mechanical scanning structure.

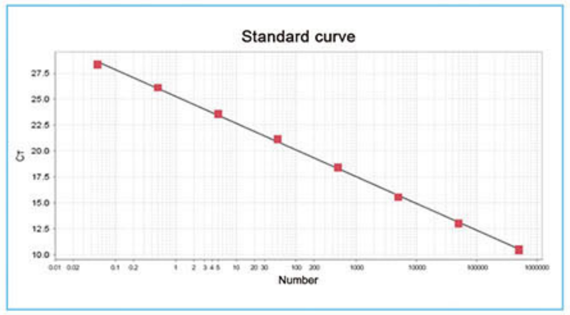
Real-time PCR Software:

File
Edit
Analysis
Tools
Help
Home
Welcome to LEIA Analyzer
BIOBASE
BIOBASE LEIA
LEIA
Designed by BIOBASE
Experiment Setup
Open...

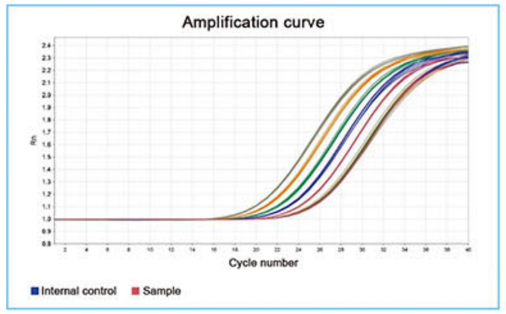
The software includes functions such as absolute quantification experiment, melting curve experiment, relative quantification (AACT) experiment, and genotyping experiment. Enter the attribute setting interface and select different function modules. Guided flow operation, convenient for users to quickly complete experimental settings. The software can open the recent experiment record template for easy viewing of recent experiments and the creation of new experiments.

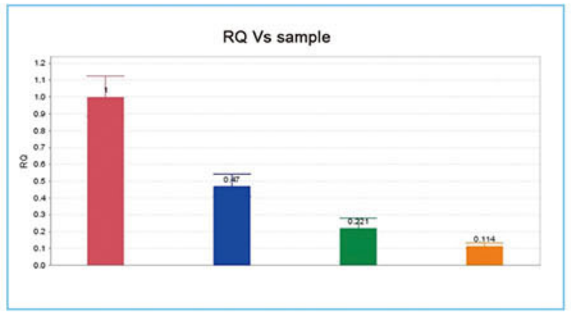
Absolute Quantification Experiment:



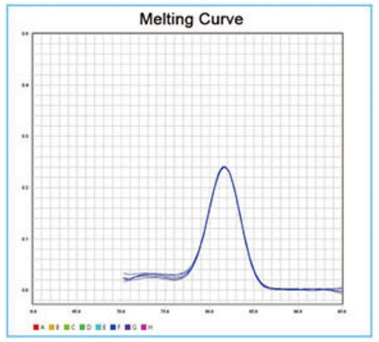


Relative Quantification (AACT) Experiment:

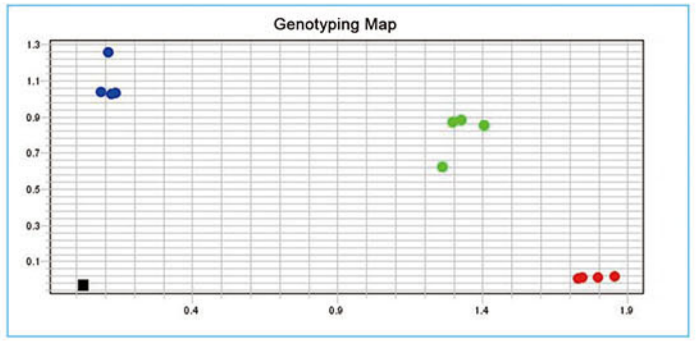




Melting Curve Experiment:



Genotyping Experiment:



Technical Parameters:

Model	LEIA-X4			
Sample Capacity	96x0.1ml PCR plate, 12x8-strip tubes, 96*0.1ml single tube (Transparent Cover)			
Reaction System	10~50μl			
Dynamics Range	1-10^{10} copies			
Channel	4			
Emission Light	LED			
Detector	MPPC			
Detection Path	F1	F2	F3	F4
Suitable Probe/Dye	FAM/SYBR GREEN	VIC/JOE/ HEX/TET	ROX/TEXAS-RED	Cy5
Excitation Wavelength	455~680nm			
Detection Wavelength	510~730nm			
Fluorescence Detection Repeatability	CV≤2%			
Fluorescence Detection Accuracy	CV≤3%			
Fluorescence Detection Linearity	r≥0.995			
Module Temp. Range	4-99℃(resolution:0.1℃)			
Ramp Rate	5.0℃/s(max)			
Temp. Accuracy	±0.3℃			
Temp. Uniformity	≤ ±0.3℃			
Temp. Control Mode	Block mode			
Gradient Temp. Range	1-36℃			
Hot-Lid Temp. Range	100℃, Automatic Hot-lid			
Scanning Mode	Full plate scanning			
Programming	Max 100 Segments for Each Program, Max 99 Cycles			
Operation Mode	Continuous			
Scanning Time	8.5s			
Special Function	Absolute quantitative automatic analysis, relative quantification, SNP Analysis, melting curve analysis, etc.			
Operation System	Microsoft: Windows10			
Power Supply	220V,50/60HZ; 110V,60HZ			
Dimension(L*W*H) mm	375*490 *365			
Port Method	USB Port			
Packing Size(L*W*H) mm	645*565 *605			
Gross Weight	45			

Fluorescence Quantitative PCR Detection System

Features:

＊ Whole block scanning and formulated line scanning mode, 96-well double-colour scaning takes only 5.5s

＊ 6 channels fluorescence detection,no cross talk between different channels.

＊ Unique bottom detection,compatible to reaction volume down to 5μl

＊ New automatic hot lid,automatic open and close which is prevenT reagent evaporation

＊ LED excitation light source with super long service life

＊ New TE module with special technique to ensure long service life

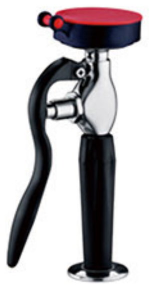
＊ Available for a variety of scientific research and clinical applications.

Technical Parameters:

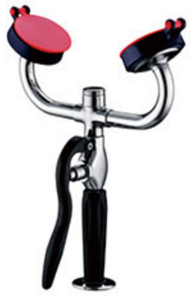
Product Name	Fluorescence Quantitative PCR Detection System					
Model	FQD-96A					
Sample Capacity	96*0.2ml PCR plate, 12*8-strip tubes, 96*0.2ml single tube (Transparent Bottom)					
Reaction system	5~100μl					
Dynamics Range	1~10^{10} Copies					
Medical instrument registration certificate	G.X.Z. 20153400273					
Channel	4					
Emission Wavelength	500~800nm					
Detection path	F1	F2	F3	F4	F5	F6
Suitable Fluorescent Dye	FAM,SYBR GREENI	HEX/VIC/TET/JOE/CY3/NED/TAMRA	ROX, TEXAS-RED	Cy5	Cy5.5	Reserved Path
Excitation Wavelength	300~800nm					
Detection Wavelength	500~800nm					
Module Temp. Range	4~105℃(resolution:0.1℃) with SOAK Low Temp. storage Function					
Ramp Rate	4.0℃/s(max)					
Temp. Control Accuracy	±0.1℃					
Temp. Uniformity	≤ ±0.3℃					
Temp. Control Mode	Block mode and Tube Mode (Automatic control based on liquid level)					
Optional Accessories	Windows Tablet PC					
Gradient Temp. Range	1~36℃					
Hot-lid Temp. Range	30~110℃(Adjustable, Default by 105℃ and Automatic Hot-lid)					
Fluorescence intense Detection Repeatability	5%					
Scanning Mode	Full plate scanning and designated line scanning					
Programming	Max 20 Segments for Each Program, Max 99 Cycles					
Operation Mode	Continuous					
Scanning Time	5.5s					
Special Function	Absolute quantitative automatic analysis, relative quantification, SNP Analysis, melting curve analysis, 6 independent temperature zones, HRM multi-channel crosstalk calibration, background correction, auto gain, customized parameters,etc					
Operation System	Microsoft: Windows7/Windows8.1/ Windows10 Software:excel2000/ 2002/2003/2007/2012					
Min-computer Configuration	RAM: 512M, hardware space: 10GB CPU: Pentium 4 virtual memory ≥1000MB					
Power Supply	100-240V 50/60Hz 600W					
Dimension(L*W*H)	410*386*352mm					
Port Method	Support USB and RS232 data port and Bluetooth port					
Certification	Ferrotec Peltier/CE/EMC/RoHS2.0/PICC Product quality liability insurance/IVD/MET					
Packing Size	720*680*640mm					
Gross Weight	55kg					

Eye Washer

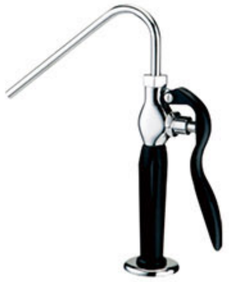
Deck Mounted Eye Washer



EW-DM1



EW-DM2



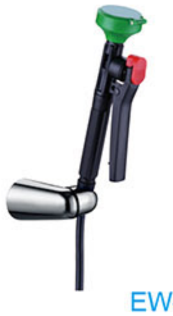
EW-DM3

Max. working pressure: 7Bar
Valve: None-return valve, shut off automatically
Hose: Length 1.4m, PVC with stainless steel net
Sprayer head: Soft rubber, softened water spray for eye protection
Dust shield cap: PP, removed automatically when eye washer is operated
Switch: Automatic trigger locking for easy hand-free use
Material: Solid thick brass with high gloss epoxy powder, resistant to chemicals, UV and heat.

Technical Parameters:

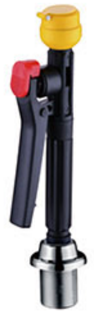
Model	EW-DM1	EW-DM2	EW-DM3
Package Size(W*D*H)mm	270*170*80	440*240*120	270*170*80
Gross Weight(kg)	1	2	1

Removable Eye Washer



EW-R2

Max. working pressure: Max. 7Bar
Soft Pipe: length 1.5m, pp material
Installing: Desk &wall mounted, can be also drew out
Sprayer head: Softened water spray for eye protection
Dust shield cap: Removed when eye washer is operated
Package Size(W*D*H)mm：270*170*80
Gross Weight(kg)：1

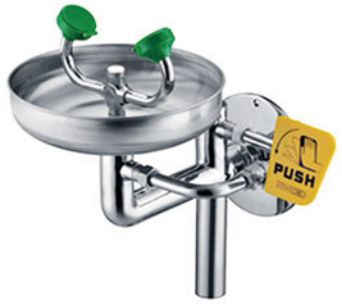


EW-R3

Switch: Automatic trigger locking for hand-free use
Body: Densely PP material. The valve can close automatically, safe seal
Flow control valve: Adjustable based on water pressure to adapt for the eyes.
Package Size(W*D*H)mm：270*170*80
Gross Weight(kg)：1

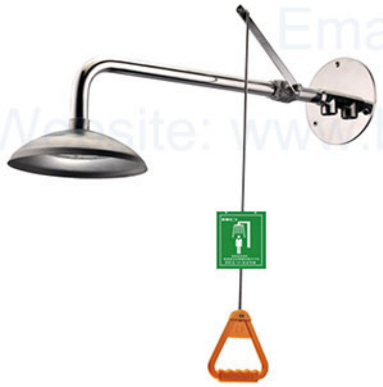
Wall Mounted Eye Washer

Material: 304 stainless steel with Exquisite polished / Epoxy coating stainless steel with high gloss epoxy powder, resistant to chemicals, UV.
Eye washer bowl: stainless steel / PP bowl, water bore is made of PP(ABS shield cap), safe green,installing conveniently.
Sprayer head : water bore has been treated with; make the water more mild and abundant.
Switch: the sign of operation is near by the knob, operate simply.
Package Size(W*D*H)mm：470*420*350
Gross Weight(kg)：8.5

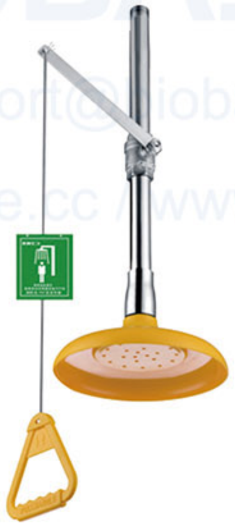


EW-WM1

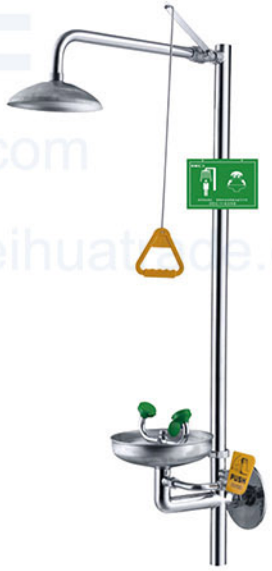
Wall Mounted Shower Eye Washer



S-WM2



S-CM3



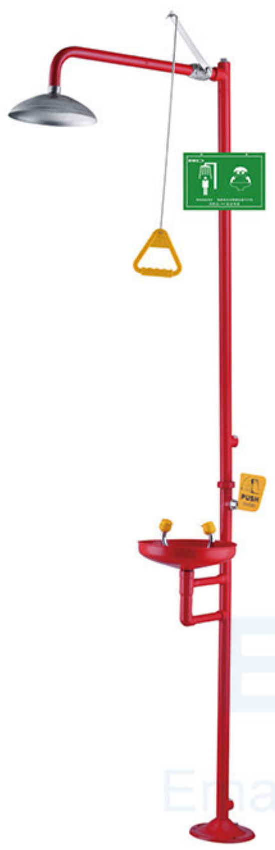
SEW-WM1

Sprayer head: The flux of spray head shower&washer is ample, installing conveniently, saving space.
Tube: Stainless steel material, making the products firm and high quality, resistant to the chemicals.
Switch: The sign of operation is near by the knob, operate simply.

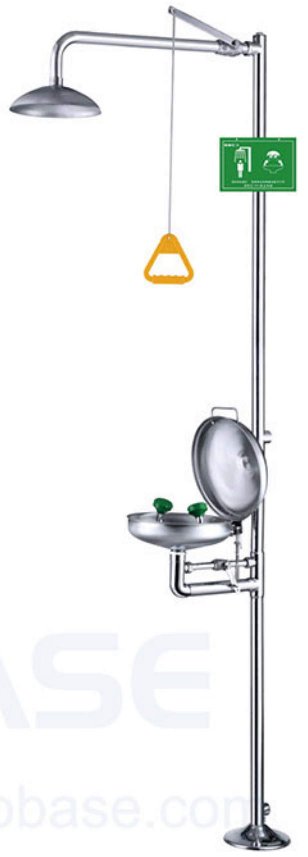
Technical Parameters:

Model	S-WM2	S-CM3	SEW-WM1
Package Size(W*D*H)mm	820*270*160	960*340*140	1320*440*320
Gross Weight(kg)	5.5	5	18

Combination Emergency Shower Eye Washer



SEW-C1



SEW-C2

Material: Stainless steel, firm and chemical resistant.

Eye washer is suitable for cleaning eyes, face and hands; the spray head can be use of washing the whole body.

Switch of the spray shower is controlled by the top of the handle, the flow is steady and ample.

Height of the bowl is condign, couple water bores humanistic design, the heigh and angle design is according to the proportion of the face.

Outlet water bore has been handled, making the water more mild, in order to protect the eyes from being harmed.

Valve-switch make the operation simple, when using only to touch the knob.

Drain directly, the used water flow directly through the tube which is in the bowl, no pollution.

Technical Parameters:

Model	SEW-C1	SEW-C2
Package Size(W*D*H)mm	1310*380*250	1310*350*440
Gross Weight(kg)	17.5	20

Fiber Analyzer

Application:

BK-F800 Fiber Analyzer is with advanced design, easy operation and flexible application. It can be used in conventional Weende method to analyze crude fiber and Van Soest analysis to wash the fiber. Applies to plant, feed, food and other agricultural products as well as the determination crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL)

Features:

＊ Hidden solution barrel pull structure designed to facilitate dosing operation, provide the safest fiber analysis.

＊ Corrosive liquid is not in contact with any pump body, to avoid waste discharge pump susceptible to corrosion phenomena.

＊ The crucible recoil function designed to prevent sample in the crucible can not caking filtration.

＊ With dosing overflow protection function to prevent dosing corrosive liquid overflow due to operator error, protect the safety of the operator.

＊ Adjust the crucible heating power in time, enabling operator to control the heating rate easily and low down the energy consumption, ECO-friendly.

＊ Having a built-in pre-heating function, greatly reducing the whole experiment time.

＊ Provide five various specifications crucible specifications to meet the needs of different samples for standard configuration.

Technical Parameters:

Model	BK-F800
Measurement Range	0.1%~100%
Sample Weight	0.5~3g per piece
Repeatability	≤0.4% (Craw Fiber Content below 10%) ≤1% (Craw Fiber Content above 10%)
Max. Capacity	6 pcs/batch
Pre-heating Time	10~12min
Heating to Boiling	13~15min
Consumption	2.2KW
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	776*476*644mm
Package Size(W*D*H)	Main Body:680*950*840mm / Accessories:480*340*250mm
Gross Weight	Main Body:114kg /Accessories:4.6kg

Fat Analyzer

BFA-1S Fat Analyzer, designed based on the Soxhlet extraction principle, is an automatic crude fat analyzer in which weight method is used to determine the fat content.

Features:

- ＊ Automatic process after weighting the sample.
- ＊ 7'' LCD Touch screen control panel, easy to operate.
- ＊ Five extraction methods: Soxhlet standard extraction, Soxhlet hot extraction, continue flow extraction, hot extraction, Soxhlet CH standard method.
- ＊ Ether leakage automatic alarm.
- ＊ Water temperature and water flow monitoring.
- ＊ Automatic solvent recovery.

Technical Parameters:

Model	BFA-1S
Temp. Range	RT+5℃~300℃
Measuring Range	0.1~100%
Temperature Accuracy	±1℃
Repeatability	Relative error 1%
Sample Weight	0.5~15g
Capacity	6pcs/batch
Solvent Cup Volume	150ml
Solvent Recovery	≥85%
Consumption	2.6KW
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	650*380*720mm
Package Size(W*D*H)	Main Body: 840*550*940mm / Accessories: 580*320*300mm
Gross Weight	Main Body: 95kg / Accessories: 5.5kg

Fat Analyzer

BFA-2 Fat Analyzer is based on the Soxhlet extraction principle and integrates such functions as soaking, extraction, leaching, heating, condensation and solvent recovery.

Features:

- ＊ 4.3'' LCD screen and Microcomputer control system.
- ＊ Triple alarms i.e. sound, light, LCD Audio and visual alarm function.
- ＊ Integral dry heating, wide scope and high precision of temperature control.
- ＊ Electric circuit is isolated from the extraction space, ensuring devices security.
- ＊ Over-temperature alarm and timer reminding functions.
- ＊ Abundant interface contents give simultaneous display of set temperature, actual temperature, set time and heating time.
- ＊ Unique air insulation for temperature heating protection and constant temperature.

Technical Parameters:

Model	BFA-2
Temp. Range	RT+5℃~280℃
Measuring Range	0～100%
Temperature Accuracy	±1℃
Sample Weight	0.5~15g(generally 2~5g, depending on sample)
Capacity	6pcs/batch
Solvent Cup Volume	80ml
Solvent Recovery	≥80%
Consumption	1KW
Power Supply	AC 220V±10%, 50HZ
External Size(W*D*H)	650*320*715mm
Package Size(W*D*H)	800*470*950mm
Gross Weight	65kg

Chromatograph

Gas Chromatograph

Features:

- ＊ 7-inch LCD display indicates temperature, gas flow and heating curve.
- ＊ Self-test function and automatic fault recognition function.
- ＊ 8 pcs external extension interfaces can connect with control valve.
- ＊ Equipped with a flame ionization detector (FID).
- ＊ Multi-core and 32-bit embedded hardware system ensures the reliable operation.
- ＊ Synchronous external trigger function and the external signal (auto sampler, thermal analyzer, etc.) can start the equipment and workstation software at the same time.
- ＊ With chromatography workstation software to process data.
- ＊ Memory function: can store 20 sample test modes.
- ＊ One key start up function.

Technical Parameters:

Model	BK-GC112A	
Oven	Capacity	22L
	Temp. Range	RT+5℃~400℃
	Temp. Accuracy	±0.1℃
	Temp. Program	9 step
	Program Total Time	9999.9 min
	Max Temp. Heating Rate	60℃/min
Sample Injector	Temp. Range	RT+7℃~420℃
	Column or split injector can be installed	
	Carrier gas flow control type: Constant pressure mode	
	Max. Quantity	3pcs
	Pre Column Pressure Range	0-400kpa
	Pre Column Pressure Accuracy	0.1kpa
	Flow Setting Range	H2: 0-200ml/min
		N2: 0-150ml/min
Detector	Temp. Range	RT+7℃~420℃
	Hydrogen Flame Ionization Detector (FID)	Logarithmic amplifier
		High voltage switch control
		Baseline signal display
		Detection limit: ≤3*10^{-12}g/s (Sample: n-hexadecane)
		Baseline noise: ≤5*10^{-14}A
		Baseline draft: ≤6*10^{-13}A
		Dynamic range: 10^{7}
		RSD: ≤3%
	Thermal Conductivity Detector (TCD)(Optional)	Sensitivity: 8000mv.ml/mg(Sample: n-hexadecane)
		Baseline noise: ≤0.05mV
		Baseline draft: ≤0.15mV/30min
		Dynamic range: 10^{5}
Power Supply	AC220V±10%, 50Hz	
Standard Accessory	FID detector, Capillary injection system, Chromatography workstation software,RS232 port, LAN port	
Optional Accessory	TCD detector, Chromatographic column, Gas purifier	
Package Size(W*D*H)	735*725*835mm	
Gross Weight	80kg	

Gas Chromatograph

Features:

- ＊ 5.7-inch LCD display indicates temperature, time and gas flow.
- ＊ Can install packed column and capillary column at the same time
- ＊ Self-test, power protection, keyboard lock, automatic ignition and anti power mutation interference function.
- ＊ With chromatography workstation software to process data.
- ＊ Equipped with a flame ionization detector (FID), and TCD, ECD, FPD, NPD are optional. Can install 3 detectors at the same time.
- ＊ Can connect with Internet, realize data transfer and program upgrade automatically.
- ＊ Double column compensation function, which can effectively restrain baseline drift and the influence of background noise.
- ＊ Large capacity oven (300*280*180mm) can hold 2 pcs 0.32mm diameter capillary column (length: 80m).
- ＊ Better thermal insulation effect: when the temp. of oven, vaporizing chamber and detector reach 300℃, the max. temp. of outer chamber is 40℃.

Technical Parameters:

Model	BK-GC7820	
Oven	Temp. Range	RT~450℃
	Temp. Accuracy	≤±0.1℃
	Temp. Program	16-phase
	Max. Temp. Heating Rate	40℃/min
Detector	Hydrogen Flame Ionization Detector (FID)	Detection limit: ≤3*10^{-12}g/s(Sample: n-hexadecane)
		Baseline drift: ≤1*10^{-13}A/30min
		Linear range: ≥10^{7}
	Thermal Conductivity Detector (TCD) (Optional)	Sensitivity: >10000mv.ml/mg(Sample: n-hexadecane)
		Linear range: ≥10^{5}
	Electron Capture Detector (ECD) (Optional)	Detection limit: ≤1*10^{-14}g/ml(Sample: n-hexadecane δ-666)
		Linear range: ≥10^{4}
	Flame Photometric Detector (FPD) (Optional)	Detection limit: ≤2*10^{-11}g/s(S of thiophene) Detection limit: ≤1*10^{-12}g/s(P of methyl parathion)
		Linear range (S): ≥10^{3} Linear range (P): ≥10^{4}
	Nitrogen and Phosphorus Detector (NPD) (Optional)	Detection limit: ≤1*10^{-12}g/s(Azobenzene) Detection limit: ≤1*10^{-12}g/s(Marla sulphur phosphorous)
		Linear range: ≥10^{3}
Power Supply	AC220V±10%, 50/60Hz(Optional)	
Standard Accessory	FID detector, Chromatography workstation software, Capillary sampler	
Optional Accessory	Sample injection system, TCD, ECD, FPD and NPD detector, Chromatographic column	
Package Size(W*D*H)	820*670*600mm	
Gross Weight	71kg	

High Performance Liquid Chromatography System BK1100

BK1100 HPLC System is a cost-effective product, and it is suitable for use in the production or manufacture which needed to strict cost control.

Characteristics:

- Affordable
- VFD display screen
- Control mode: external/internal
- Easy to use
- Superior repeatability

P1100 High Pressure Constant Flow Pump:

Flow Rate	0.001-10.000 mL/min (Step: 0.001 mL/min)
Accuracy	≤+0.3%
Precision	≤0.1% RSD
Max Pressure	42 MPa (6000 psi)
Power	AC 220 V, 50 Hz
Dimension/Weight	420*260*160 mm (L* W* H*) /12 kg

D1100 UV-Visible Detector:

Linearity	1.8 AU
Wavelength Range	190～700 nm
Noise	≤ ± 1.0*10^{-5} AU
Drift	≤ 2.0*10^{-4} AU/h
Power	AC220V ± 10%, 50 Hz, 100 W
Dimensions/Weight	420*260*160 mm (L* W* H*) /12 kg

O1100 Column Oven:

Temperature range	Ambient + 5 ℃～99 ℃
Accuracy	± 0.1 ℃
Precision	≤ 0.1 ℃
Power	AC220 V ± 10%, 50 Hz, 150 W
Dimensions/Weight	120 * 65 *500 mm (L* W* H*) /8.5 kg

Elitapex HPLC Workstation

Characteristics:

- Simple operation and convenient use;
- Optimize the control protocol to make the communication between the workstation and the unit instrument module more smooth;
- Stable real-time feedback of the status and parameters of each unit module.

Technical Parameters:

Model	BK-LCI1100	BK-LCG1100
Pump	P1100*1	P1100*2
Detector	D1100*1	
Gradient Mixer	/	TD-1-15*1
Solvent Bottle Tray	ST1100*1	
Sampler Injector	Rheodyne 7725i*1	
Column	Supersil ODS2 5μm ID4.6*200mm*1	
Workstation	Elitapex*1	
Valve Mounting Frame	VB1100*1	
System Kit	Agress1100*1	
Power Supply	AC220V±10%, 50Hz	
Optional Accessory	500ml Solvent bottle*2, Column, Column Oven	
Package Size(W*D*H)	500*360*300mm*1; 580*400*280mm*2	500*360*300mm*1; 580*400*280mm*3
Gross Weight	38kg	53kg

High Performance Liquid Chromatography System BK3100

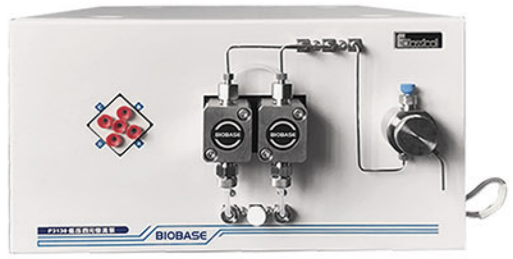
BK3100 System is perfected from classical HPLC systems manufactured by our company, the high quality has widely recognized by customer.
It is suitable for users who are looking for the versatility and robustness.
The excellent features ensure the reliability results and improve working efficiency.

Characteristics:

- ＊ Comprehensive and flexible
  Isocratic system, binary gradient system, quaternary gradient system is available. Detection capabilities include DAD, UV/Vis, FL, RI and ELSD.
- ＊ Stable and reliable
  Advanced USB chip and optoelectronic isolation technology ensuring stable communication.
- ＊ Simple and safe
  Powerful software makes it simple to control, capture, manage and analyze.
  Real-time pressure display, maximum and minimum pressure warning ensure the security.

P3100 High-Pressure Constant Flow Pump:

Flow Range	0.001～10.000 mL/min（step 0.001 mL/min）
Accuracy	≤±0.2%
Precision	≤0.06% RSD
Pressure Range	0-45 MPa
Power	AC 220 V±10%, 50 Hz/80 W
Dimensions/Weight	420*300*175 mm (L* W*H*)/12 kg



P3130 Low-Pressure Quaternary Constant Flow Pump:

Flow Range	0.001～10.000 mL/min（step 0.001 mL/min）
Gradient Accuracy	≤±1%
Retention Time Repeatability	≤0.1%
Maximum Working Pressure	63 MPa
Communication Methods	UDP Network Communication
Mixed Volume	750μL
Power	AC 220 V±10%, 50 Hz/100 W
Dimensions/Weight	400*300*180 mm (L* W*H*)/15 kg

UV3100 UV-Vis Detector:

Linear	2.0 AU
Wavelength Range	190～700 nm
Noise	≤±0.5*10^{-5} AU
Drift	≤1.0*10^{-4} AU/h
Cell	Analytical：Optical path 10 mm, 11μL Semi-prep scale：Optical path 2 mm, 6 μL
Power	AC 220V±10%，50 Hz/100 W
Dimensions/Weight	420*300*175 mm (L*W*H) /16 kg

DAD3100 Diode Array Detector:

Linear	≥2.0 AU
Wavelength Range	190～800 nm
Noise	≤±1.0*10^{-5} AU
Drift	≤2.0*10^{-4} AU/h
Power	AC220 V±10%, 50 Hz/180 W
Dimensions/Weight	500*300*175 mm (L*W*H) /18 kg

O3100 Column Oven:

Temperature Range	Ambient + 5 ℃～85 ℃
Accuracy	±0.3 ℃
Precision	≤0.1 ℃
Power	AC220 V±10%，50 Hz/130 W
Dimensions /Weight	420*300*120 mm (L* W*H)/7 kg

Technical Parameters:

Model	BK-LCI3100	BK-LCGH3100	BK-LCQL3100	BK-LCQL3100D
Pump	P3100*1	P3100*2	P3130*1(With mixer)	
Detector	UV3100*1			DAD3100 512*1
Gradient Mixer	/	TD-1-15*1	/	
Solvent Bottle Tray	TP3100*1			
Sampler Injector	Rheodyne 7725i*1			
Column	Supersil ODS2 5μm ID4.6*200mm*1			
Workstation	W5100*1			W5100+PAD
AD Adapter	/			AD adapter + startup kit
Valve Mounting Frame	ZJ-1*1		ZJ-4*1	
Degasser	/		DG3110*1	
System Kit	EClassical 3100*1			
Power Supply	AC220V±10%, 50Hz			
Optional Accessory	500ml Solvent bottle*2, Column, Column Oven, S3100 Auto-sampler，Degasser		500ml Solvent bottle*4, Column, Column Oven, S3100 Auto-sampler	
Package Size (W*D*H)	600*440*380mm*2	600*440*380mm*3	600*440*380mm*2 320*190*230mm*1	600*440*380mm*2 320*190*230mm*1 500*360*100mm*1
Gross Weight	30kg	45kg	34kg	39kg

High Performance Liquid Chromatography System BK3200

ECLASSICAL
D3200
ECLASSICAL
O3200
ECLASSICAL
S3200
ECLASSICAL
P3200

The newly developed BK3200 high performance liquid chromatography system meets the constantly upgraded regulatory requirements and redefines the appearance design of domestic liquid phase, perfects the auto-maticity, continuity and integrity of the analysis process, demonstrates the stability of laboratory results, and meets the feasbility of low-cost and high efficiency operation of laboratories.

Characteristics:

- ∗ Classic, inherited product reliability for more accurate and consistent results.
- ∗ Professional, national standard technology leader, making more effective and applicable.
- ∗ Eficient, perfectly superb compatibility makes more convenient and easier.

O3220 Column Oven:

Temperature range	Ambient + 5 ℃~80 ℃
Accuracy	±0.5 ℃
Precision	≤0.1 ℃
Power	AC220 V±10%，50 Hz/130 W
Dimensions /Weight	435*137*450 mm (L* W*H)/11 kg

P3220 High-Pressure Constant Flow Pump:

ECLASSICAL
P3200

Flow Range	0.001~10.000 mL/min（step 0.001 mL/min）
Accuracy	≤±0.2%
Precision	≤0.06% RSD
Pressure Range	0-70 MPa
Communication Methods	UDP Network Communication
Power	AC 220 V±10%, 50 Hz/300 W
Dimensions/Weight	450*350*185 mm (L* W*H)/18 kg

P3230 Low Pressure Quaternary Pump:

ECLASSICAL
P3200

Flow Range	0.001~10.000 mL/min（step 0.001 mL/min）
Accuracy	≤±0.2% (1.00ml/min, H_2O, R.T 8.5MPa)
Stability	<0.06% (1.00m/min, H_2O, R.T, 8.5MPa)
Maximum Pressure	63MPa
Pulsation	≤0.1MPa(1.00m/min, H_2O, R.T, 8.5MPa)
Communication Methods	UDP Network Communication
Power	AC 220 V±10%, 50 Hz/150 W
Dimensions/Weight	440*380*180 mm (L* W*H*)/18 kg

D3210 UV-Vis Detector:

Linearity	≥2.5 AU
Wavelength Range	190~800 nm
Wavelength Repeatability	±0.1nm
Wavelength Accuracy	±1.0nm
Noise	≤1.5*10^{-5} AU (Single wavelength) ≤5.0*10^{-5} AU (Double wavelength)
Drift	≤2.0*10^{-4} AU/h
Light Source	Deuterium Lamp, Tungsten Lamp
Optical Path	Dual beam optical path
Response Time	0.1~5s
Sampling Frequency	5Hz\10Hz\20Hz\50Hz; Double wavelength 1Hz
Cell	Optical path 10 mm; Proof pressure 1000psi
Communication Methods	UDP Network Communication
Power	AC 220 V±10%, 50/60 Hz/100 W
Dimensions/Weight	440*378*160 mm (L*W*H*)/10 kg

ECLASSICAL
D3200

Technical Parameters:

Model	BK-LCB3200	BK-LCDB3200	BK-LCQL3200
Pump	P3220*1		P3230*1
Detector	D3210*1		
Solvent Switching Module	/	Solvent switching module (built in high pressure pump)*1	/
Solvent Bottle Tray	T3200*1		
Sampler Injector	Rheodyne 7725i*1		
Column	Supersil ODS2 5μm ID4.6*250mm *1		
Workstation	W5100*1		
Valve Mounting Frame	VB3200*1		
Multifunctional Mounting Frame	MB3200*1		
Column Mounting Frame	CB3200*1		
System Kit	EClassical 3200*1		
Power Supply	AC220V±10%, 50Hz		
Optional Accessory	Auto-sampler, Column, O3220Column Oven, D3270 Evaporative Light Scattering Detector, RI-201H Differential Refractive Index Detector, D3250 Fluorescence Detector Solvent bottle 1000ml *2	Auto-sampler, Column, O3220Column Oven, D3270 Evaporative Light Scattering Detector, RI-201H Differential Refractive Index Detector, D3250 Fluorescence Detector Solvent bottle 1000ml *4	
Package Size(W*D*H)	580*470*370mm*3	580*470*370mm*3	
Gross Weight	43kg	43kg	

High Performance Liquid Chromatography System BK5100

BK5100 system can load variety of configurations, such as manual valve and automatic sampler, detectors including UV, DAD, LIFD, RI, ELSD, and widely used in food, medicine, environmental protection and scientific research.

Features:

- ∗ High integrated SPI, I2C bus and ARM micro-controller technology Poston floating design makes more stable flow.
- ∗ Intellectualized sequence analysis and batch processing functions bringing more convenience.
- ∗ Automatic wavelength positioning and excellent wavelength accuracy.
- ∗ Enable 21 CFR Part 11 compliance.

P5100 Series Pumps:

P5101 high pressure pump; P5102 high pressure binary pump; P5103 low pressure quaternary pump

Flow Range	0.001～10.000 mL/min（step 0.001 mL/min）
Accuracy	≤±0.2%
Precision	≤0.06% RSD
Pressure Range	0- 63 MPa
Power	AC 220V±10%，50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/25 kg

D5101 UV-VIS Detector:

Linearity	≥2.0 AU
Wavelength Range	190～800 nm
Noise	≤±0.25*10^{-5} AU
Drift	≤0.5*10^{-4} AU/h
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/16 kg

D5115/5116 Diode Array Detector:

Linearity	≥2.0 AU
Wavelength Range	190～800 nm
Noise	≤±1.0*10^{-5} AU
Drift	≤2.0*10^{-4} AU/h
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/16 kg

O5101 Column Oven:

Temperature range	Ambient + 5 ℃～85℃
Accuracy	±0.1℃
Precision	≤0.1℃
Power	AC220 V±10%，50 Hz/130 W
Dimensions/Weight	540*400*120 mm (L*W*H) /15 kg

M5100 System Controller:

M5100 system controller integrates data communication hub, power distribution hub, solvent tray, and on-line degassing.
M5101 System controller for BK5100
M5102 System controller for BK5100 with binary on-line degassing
M5103 System controller for BK5100 with quaternary on-line degassing use with P5103

On-line Degasser	2-4
Wetted Materials	PEEK, Teflon® AF
Power	AC 220V±10%, 50 Hz/30 W
Dimensions /Weight	540*400*120 mm (L*W*H)/10 kg

Technical Parameters:

Model	BK-LCI5100	BK-LCGH5100	BK-LCQL5100	BK-LCQL5100D
Pump	P5101*1	P5102*1	P5103*1	
Detector	D5101*1			DAD5115 512 *1
System Controller	M5101*1		M5103*1	
Sampler Injector	Rheodyne 7725i*1			
Column	Supersil ODS2 5μm ID4.6*200mm *1			
Workstation	W5100*1			W5100+PAD
Valve Mounting Frame	VB5101 *1			
System Kit	iChrom 5100 *1			
Power Supply	AC220V±10%, 50Hz			
Optional Accessory	500ml Solvent bottle*2, Column, Column Oven, S5101 Auto-sampler，M5102 System controller（for BK-LCGH5100）		500ml Solvent bottle*4, Column, Column Oven, S5101 Auto-sampler	
Package Size(W*D*H)	700*570*350mm*2 700*570*310mm*1			
Gross Weight	75kg			

Gas Generator

Pure Water Hydrogen Generator

Laboratory Type

Features:

- ＊ SPE technology.　＊ No corrosion and pollution.
- ＊ High purity hydrogen (99.999%)(for Laboratory type).　＊ Suitable for all kinds of GC(Gas chromatography).
- ＊ Stable output flow, safe and convenient to operate, various alarm devices (over pressure alarm, water shortage alarm, water accumulated alarm).
- ＊ The electrolytic cell adopts imported ionic membrane, which has the characteristics of resistance, durability and long life.(for Breathing Type (plastic shell).
- ＊ The output flow of electrical automatic control system is stable and the fluctuation is small. (for Breathing Type (plastic shell).

Technical Parameters:

Model	HGC-200	HGC-300	HGC-600
Type	Laboratory type	Laboratory type	Laboratory type
Output Flow(ml/min)	0~200	0~300	0~600
Output Pressure	0.4MPa/0.02~0.7MPa (under stable pressure)	0.4MPa/0.02~0.7MPa (under stable pressure)	0.4MPa/0.02~0.7MPa (under stable pressure)
Hydrogen Purity	>99.999%	>99.999%	>99.999%
Silicon tube	Yes	Yes	Yes
Pressure stability	<0.001Mpa		
Consumption	120W	150W	300W
Power Supply	AC 110V/ 220V±10%, 50/60Hz		
External Size (W*D*H)	350*220*380mm	350*220*380mm	350*220*380mm
Package Size (W*D*H)	500*370*540mm	500*370*540mm	500*370*540mm
Net Weight	11kg	11kg	13kg
Gross Weight	12kg	12kg	14kg

Nitrogen Generator

NG-300II

NG-500II

NG-300P

NG-500P

Features:

- Improved double-cathode stainless steel electrolytic separation cell. Nitrogen production by electrolysis and oxygen exhaust are carried out simultaneously, and the electrolyte circulation is unimpeded.
- The electrolysis separation cell has large electrolysis area, low cell temperature, large gas production, and higher nitrogen purity.
- The unique anti-liquid return device ensures that the instrument will never return liquid.
- Equipped with the function of voltage stabilization and automatic closing of the gas circuit after power failure.
- Adopt advanced switching power supply to improve the efficiency of electrolysis and separation.
- Small size and light weight, some products use oil-free compressors. (NG-300P/500P).
- Need external air source(NG-300II/500II).

Technical Parameters:

Model	NG-300II	NG-500II	NG-300P	NG-500P
Output Flow(ml/min)	0-300 ml/min	0-500 ml/min	0-300 ml/min	0-500 ml/min
Output Pressure	0-0.5 Mpa(Factory setting 0.4Mpa)			
Purity	＞99.997%			
Surrounding Requirement	Temperature10~40℃			
	Humidity ≤85%			
Consumption	80W	120W	650W	750W
Power Supply	AC220V±10%, 50Hz±5%(Standard) AC110, 60Hz(Optional)			
Instrument Size(W*D*H)	320*220*370mm		400*300*640mm	
Package Size(W*D*H)	390*280*430mm		475*375*720mm	
Net Weight	15kg		40kg	
Gross Weight	17kg		42kg	

Hydrogen Generator

HG-300II

HG-500II

Features:

- ∗ Easy to operate, safe and reliable, one-time add alkali, daily use only need to supplement distilled water. Turn on the power switch to produce hydrogen.
- ∗ The air passage part is made of stainless steel pipe.Electrolytic polishing, ultrasonic cleaning. With over - pressure protection device, two - stage purification.
- ∗ Unique anti-return device, to ensure that the instrument no liquid back phenomenon.
- ∗ Cartridge type electrolytic tank, electrolytic materials imported special precious metals, effectively improve the electrolytic efficiency, constant cell temperature, promote the service life of the electrolytic tank greatly improved.
- ∗ Stable output flow and automatic tracking.Purity does not decay, can be used continuously.

Technical Parameters:

Model	HG-300II	HG-500II
Output Flow(ml/min)	0-300 ml/min	0-500 ml/min
Output Pressure	0-0.5 Mpa(Factory setting 0.4Mpa)	
Purity	＞99.999%	
Surrounding Requirement	Temperature：10~40℃	
	Humidity：≤85%	
Consumption	220W	
Power Supply	AC220V±10%, 50Hz±5%(Standard) AC110, 60Hz(Optional)	
Instrument Size(W*D*H)	320*180*370mm	
Package Size(W*D*H)	390*250*460mm	
Net Weight	10kg	
Gross Weight	14kg	

Nitrogen & Hydrogen & Air Generator

NHA-300G

NHA-300II

Features:

- ∗ Compact structure, high integration, easy to use, saving laboratory space.
- ∗ Stainless steel gas storage tank, safe and reliable, can replace laboratory cylinders.
- ∗ Hydrogen part: automatic anti-return alkali, automatic flow tracking, three-stage filtration.
- ∗ Nitrogen part: automatic anti-return alkali. Automatic flow tracking. Three-stage filtration.
- ∗ Oil-free compressor, better air quality, heat insulation pad choose Dow, cylinder type electrolytic cell electrolytic area, long service life.(NHA-300G)
- ∗ Air part: use oil-free compressor, stainless steel gas tank, two-stage voltage stabilization, three-stage filter, high precision, automatic drainage and perfect protection measures.

Technical Parameters:

Model		NHA-300G	NHA-300II
Output Flow(ml/min)	Nitrogen Hydrogen	0-300 ml/min	0-500 ml/min
Output Pressure	Nitrogen Hydrogen Air	0-0.5 Mpa(Factory setting 0.4Mpa)	
Purity	Nitrogen	＞99.997%	
	Hydrogen	＞99.999%	
Surrounding Requirement	Temperature	10~40℃	
	Humidity	≤85%,No large amount of dust and corrosive gas	
Consumption		850W	500W
Power Supply		AC220V±10%, 50Hz±5%(Standard) AC110V, 60Hz(Optional)	
Instrument Size(W*D*H)		300*455*665mm	
Package Size(W*D*H)		530*380*750mm	
Gross Weight		46kg	39kg

Homogenizer

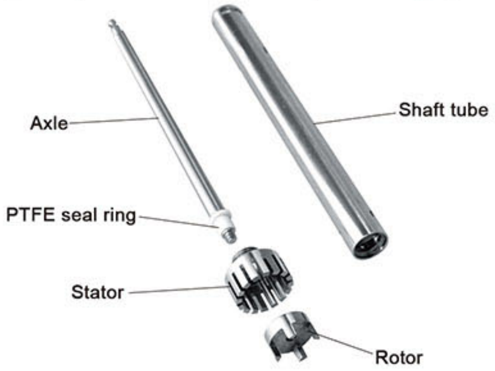
Application:

D-160 can be used in bio-pharmaceuticals, genetic research, tissue destruction, fragmentation, cytoplasmization, pathological analysis, nano-material dispersion, polymerization, ink coatings, fine chemicals, pesticides, prospecting, environmental protection, energy and other fields.

Features:

- ＊ Lightweight design, handheld and can be operated with one hand.
- ＊ The application of different dispersing heads is suitable for liquid samples of 0.1-250ml.
- ＊ High-quality 316L stainless steel dispersing head, corrosion-resistant, high-temperature sterilization.
- ＊ The dispersing head is easy to disassemble and clean; high-speed and high-efficiency motor.
- ＊ The speed is adjustable in 10 gears, and the speed range: 8000-32000rpm.

Components of Dispersing Shaft:



DS-160/5

DS-160/10

Optional Accessories:

Cat. No.	Combination Stator + Rotor	Model	Working Volume (ml)	Diameter of Stator	Diameter of Rotor	Min. / Max. Immersion Depth	Application
18900113	DS-160/5	D-160	0.1~50	5mm	3mm	7/50mm	Small amounts of solid-liquid mixtures
18900114	DS-160/10		1~250	10mm	6mm	10/120mm	

Technical Parameters:

Model	D-160
Item No.	8014111000
Recommended Configuration	Package 1: D160 drive, H370 Stand, DS-160/5 shaft, volumes from 0.1-50ml Package 2: D160 drive, H370 Stand, DS-160/10 shaft, volumes from 1-250ml
Speed Range	8000-32000rpm
Max. Circum. Speed	6.3-14m/s
Speed Control	10 stage
Working Volume (H_2O)	0.1-50ml (Dispersing shaft DS-160/5) 1-250ml (Dispersing shaft DS-160/10)
Max. Viscosity	5000mPa·s
Material of Dispersing Shaft	SS316 & PTFE seal ring
Noise	≤72dB
Ambient Temp.	0-40℃
Relative Humidity	85%RH
Protection Type	IP20
Consumption	160W
Motor Type	AC carbon brush motor
Power Supply	AC110/220V±10%, 50/60Hz(Customizable)
Standard Accessory	Base stand + DS-160/5 dispersing shaft Or Base stand + DS-160/10 dispersing shaft
External Size(W*D*H)	45*55*190 mm
Package Size (W*D*H)	470*240*250mm
Gross Weight	4kg

Stomacher Blender

Application:

Sterile Homogenizer is widely used in homogenization treatment of animal tissues and biological samples. It can be used in food, drug, cosmetics, clinical, molecular, toxin and bacterial detection fields, especially for the preparation of microbial test samples.

Features:

- ∗ 4.3 inch LCD touch screen display and microcomputer control.
- ∗ Intelligent program control, able to set the flapping time and speed.
- ∗ Adjustable flapping spacing, easy to process samples with different amount.
- ∗ Disposable sterile bag guarantees hygiene and safety.
- ∗ Toughened glass window, easy to observe.
- ∗ With anti-pinch function and pause function.

Technical Parameters:

Model	BK-SHG04	BK-SHG05
Flapping Time	1s~99min 59s or continuous operation	
Flapping Speed	3~12 times/s	
Flapping Spacing	0~50mm adjustable	
Effective Capacity	3~400ml	
Program Setting and Storage	8-segment combination programming	
Temp Control Range	/	RT~80℃
Disinfection Function	/	UV lamp disinfection
Sterile Bag	17*30cm, standard 100 pcs	
Voice Prompt Function	Yes	
Anti Pinch Function	With automatic stop anti pinch function	
Start Mode	Soft start	
Consumption	200W	500W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	460*250*330mm	
Package Size(W*D*H)	540*310*410mm	
Net Weight	19kg	20kg
Gross Weight	24kg	24kg

Jacketed Glass Reactor

Application:

Jacketed glass reactors are designed for synthetic reaction of different types of materials in a controlled temperature and vacuum environment. Each reactor features adjustable stirring speeds and a constant pressure feeding funnel that allows you to add material to the vessel at a uniform and controlled speed. The built-in condenser makes it possible to recover some materials, also at a controlled rate of speed.

1/2/3/5L

10-50L

100L

Features:

- ∗ GG17 high borosilicate glass, with good chemical and physical properties.
- ∗ The evaporation and back-flow of reaction material can be controlled.
- ∗ The heat of reaction could be taken away quickly through water, cycling in the jacketed glass.
- ∗ The design of large bottle mouth, easier to clean.
- ∗ It can be used as a distillation syntheses device.
- ∗ The sealing performance is 0.098 Mpa.
- ∗ LCD display, easier and more convenient to measure temperature.

Optional Equipment:

- ∗ Circulating water vacuum pump: (JGR-1L~5L, recommend mode SHZ-DIII, JGR-10L~100L, recommend model SHZ-95B)
- ∗ Refrigerated Circulator
- ∗ Circulating water/oil bath

Technical Parameters:

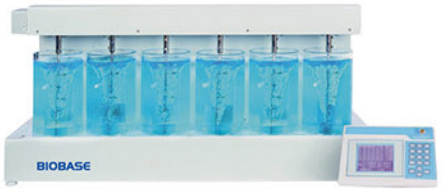
Model	JGR-1L	JGR-2L	JGR-3L	JGR-5L	JGR-10L	JGR-20L	JGR-30L	JGR-50L	JGR-100L
Reaction Flask Capacity	1L	2L	3L	5L	10L	20L	30L	50L	100L
Stirring Power	60W				120W				180W
Stirring Speed	0~600rpm(Max.1300 customized)								
Stirring Shaft Diameter	12mm								15mm
Motor Torque(g/cm)	2000	2400		4800	1000	1200		1500	3000
Power Supply	AC110/220V, 50/60Hz								
Package Size (W*D*H)	1260*430*460mm		1300*580 *540mm	1310*600 *540mm	1230*610 *750mm	1320*630 *750mm	1650*660*780mm		1840*720 *910mm
Gross Weight	40kg	46kg	53kg	56kg	81kg	85kg	90kg	100kg	151kg

Jar Tester

Application:

It's a testing instrument used to carry out the jar test during procedure of water treatment. It is used to simulate the process of adding agent , reaction, coagulation and settling which happen during the procedure of water treatment (including purification of drinking water and sewage treatment),widely used in scientific research， water supply plant and sewage treatment plant, colleges and universities， water treatment agent manufacturer etc.

BJT-4



BJT-6

Features:

- ＊ LCD display
- ＊ Synchro run, independent run
- ＊ Store 12 groups of programs
- ＊ Automatic calculating G & GT value
- ＊ Automatic agent dosing and elevating

Technical Parameters:

Model	BJT-4(Portable)	BJT-6(Desktop)
Beakers	4pcs	6pcs
Acrylic Beaker	Round, 0.6L Φ95*130mm	Round, 1.0L Φ110*180mm Square optional, 1.5L 110*110*170mm
Speed Range	10~1000rpm, stepless speed regulation	
Speed Accuracy	±0.5%	
Speed Gradient(G value)	10~1000/s. Just for round beaker	
Running Time	Each step: 0~99min99s, 10 steps each program	
Measurement Temp. Range	0~50℃	
Measurement Temp. Accuracy	±1℃	
Consumption	80W	180W
Power Supply	AC220V±10%, 50Hz	
External Size(W*D*H)	550*390*210mm	1080*350*400mm
Package Size(W*D*H)	610*450*270mm	950*470*500mm
Gross Weight	11kg	33kg

Automobile Exhaust Analyzer

Applications:

Used to measure vehicle emissions of gas concentration.

BK-EA201

BK-EA301

BK-EA401

BK-EA501

Features:

- ＊ With built-in printer
- ＊ With a high-brightness digital display
- ＊ Automatic zero, linear automatic data processing, auto-alarm when the gas line blocking

Technical Parameters:

Model	BK-EA201	BK-EA301	BK-EA401	BK-EA501
Measuring Range	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol NO$_x$: 0~5000*10^{-6}(ppm)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol CO$_2$: 0~20*10^{-2}(%)vol O$_2$: 0~25*10^{-2}(%)vol λ: 0.50~3.00 CO$_{cor}$:0~10*10^{-2} (%)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol CO$_2$: 0~20*10^{-2}(%)vol O$_2$: 0~25*10^{-2}(%)vol NO$_x$: 0~5000*10^{-6}(ppm)vol λ:0.50~3.00 CO$_{cor}$:0~10*10^{-2}(%)vol
Indicating Error	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol NO$_x$±25*10^{-6} (ppm)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol CO$_2$±0.5*10^{-2}(%)vol O$_2$±0.1*10^{-2}(%)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol CO$_2$±0.5*10^{-2}(%)vol O$_2$±0.1*10^{-2}(%)vol NO$_x$±25*10^{-6}(ppm)vol
Stability	Moment drift≤±3%			
Repeatability	≤±2%			
Response Time	95% response is not more than 10 seconds			
Preheating Time	8min (preheating 3min emergency detection)			
Power Supply	AC110~240V±10%, 50/60Hz; Optional DV12V			
Package Size(W*D*H)	620*435*295mm			
Gross Weight	12.5kg			

Pulse Oximeter

OXIMETER
PRbpm
83
PI%
4.97
%SpO2
99
BIOBASE

PO-40A

BIOBASE
Oximeter
SpO2%
96
PR bpm
78
PI%
2.8

PO-50B

Instruction:

Finger-clamp pulse oximeter is an economical and affordable instrument that accurately detects pulse rate and blood oxygen saturation through fingers. It also displays a volume waveform chart to ensure accuracy. The unique PI index effectively reflects the pulsating blood flow.

The self-adjusting finger clip and one-button design are easy to operate.

The screen is adjustable in 5 levels of brightness, small in size, easy to carry, suitable for daily use, and can measure your health at any time.

Application:

It is suitable for families, clinics, oxygen bars, sports health care (used before and after exercise, not recommended for use during exercise), community medical care, etc. It is suitable for patients aged 15-60. This product is not suitable for continuous monitoring of patients.

Features:

* OLED display, high brightness, wide viewing angle, clearer display.
* Adjustable display direction, 360 degree direction display.
* Small size, light weight, easy to carry.
* Automatic shutdown in 8 seconds without finger
* Low power consumption, two AAA batteries can be used for 50 hours.
* Anytime, anywhere, non-invasive and painless, easy to operation.

Technical Parameters:

Model	PO-40A	PO-50B
SpO_2 Range	70%~99%	35%~100%
SpO_2 Accuracy	±2%	±1% (90%~99%); ±2% (70%~89%)
Pulse Rate(PR)Range	30bpm~250bpm	25bpm~250bpm
Pulse Rate(PR)Accuracy	±1bpm	
Display	OLED	
Display Refresh Frequency	1s	
Calculation Time	8s	
Fuse	466 Series, 0.5A6.3V	
Power Supply	DC3V (2*AAA Battery)	
External Size(W*D*H) mm	57*31*30	63*37*32
Package Size(W*D*H) mm	89*60*40	80*65*48
Gross Weight(g)	44 (Without battery)	54 (Without battery)

Refractometer

Portable Digital Refractometers

POWER
ZERO
READ
DIGITAL REFRACTOMETER
BIOBASE

PDR-series

POWER
ZERO
READ
DIGITAL REFRACTOMETER
BIOBASE

PDR-F series

Features:

- ∗ Wide choice-over 20 models available
- ∗ Automatic temperature compensation
- ∗ Automatic power management
- ∗ With IP65 verification of waterproof and dustproof (only PDR-F series)

Technical Parameters:

Model	Scale	Range	Min. Reading	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-35	Brix (%)	0~35%	0.1	±0.2	0°C~40°C (32°F~104°F)	± 0.5°C(1°F)	2 x AAA (1.5V)	165*95*60	0.35
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-45	Brix (%)	0~45%	0.1	±0.2					
	Refractiv Index	1.3330~1.4098	0.0001	±0.0003					
PDR-85	Brix (%)	0~85%	0.1	±0.5					
	Refractiv Index	1.3330~1.5100	0.0001	±0.0005					
PDR-92	Brix (%)	58~92%	0.1	±0.2					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR- HN1	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	13~25	0.1	±0.1					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR-HN2	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	17~27	0.1	±0.1					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR-A1	Salinity	0~28%	0.1	±0.2					
	Ref ractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-S1	Brix (%)	0~35%	0.1	±0.2					
	Salinity	0~28%	0.1	±0.2					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					

Technical Parameters:

Model	Scale	Range	Min. Reading	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-R1	SERUM P. (g/dl)	1.000~1.050	0.001	±0.001	0°C~40°C (32°F~104°F)	± 0.5°C(1°F)	2 x AAA (1.5V)	165*95*60	0.35
	URINE SP.G	0~12g/dl	0.1	±0.1					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-R2	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
	URINE SP.G (dog)	1.000~1.060	0.001	±0.001					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-R3	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
	URINE SP.G (cat)	1.000~1.060	0.001	±0.001					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-L1	Alcohol	0~60%v/v	0.1	±0.3					
PDR-L2	Alcohol	0~60%w/w	0.1	±0.5					
PDR-L5	Methanol	0~60%w/w	0.1	±0.5					
PDR- FWN1	Brix (%)	0~35%	0.1	±0.2					
	VOL AP (%)	0~22%	0.1	±0.2					
	Oe (Germany)	30~150	1	±1					
	KMW	0~25	0.1	±0.2					
PDR-FWN2	Brix (%)	0~35%	0.1	±0.2					
	VOL AP (%)	0~22%	0.1	±0.2					
	Oe (Germany)	30~150	1	±1					
	KMW	0~25	0.1	±0.2					
PDR-FWN3	Brix (%)	0~35%	0.1	±0.2					
	VOL AP (%)	0~22%	0.1	±0.2					
	Oe (Switzerland)	0~150	1	±1					
	KMW	0~25	0.1	±0.2					
PDR-FK1	Soybean milk concentration	0~35%	0.1	±0.3					
PDR-FC1	Glycol	32~-50°F	0.1 °F	±1 °F					
	Propanediol	32~-50°F	0.1 °F	±1 °F					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Glass water	32~-40°F	0.1 °F	±1 °F					
PDR-FC2	Glycol	0~-50°C	0.1°C	±1 °C					
	Propanediol	0~-50°C	0.1 °C	±1 °C					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Glass water	0~-40°C	0.1 °C	±1 °C					

Portable Digital Refractometers

POWER
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PDR-series

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PDR-F series

Technical Parameters:

Model	Scale	Range	Min. reading	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size(W*D*H) mm	G.W. (kg)
PDR-WN1	MASS S/W(%)	0~35%	0.1	±0.2	0°C~ 40°C (32°F- 104°F)	±0.5°C(1°F)	2 x AAA (1.5V)	165*95*60	0.35
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-WN2	MASS S/W(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	30~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-WN3	MASS S/W(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-K1	Soybean milk concentration	0~35%	0.1	±0.3					
PDR-C1	Glycol	32~-50°F	0.1 °F	±1 °F					
	Propanediol	32~-50°F	0.1 °F	±1 °F					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Clearance	0~-40°F	0.1 °F	±1 °F					
PDR-C2	Glycol	0~-50°C	0.1°C	±1 °C					
	Propanediol	0~-50°C	0.1 °C	±1 °C					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Clearance	0~-40°C	0.1°C	±1 °C					

Refractometer

BIOBASE
1.33298nD

Application:

BK-R670 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently process sample analysis tests through unique signal acquisition, analysis and processing technology.

Features:

＊ Cloud service system, connecting cloud database with instruments;

＊ 7″ LCD touch screen and innovative WINDOWS software interface

＊ 2 USB ports, RS232 port and internet port for connecting printer or internet, U disk and SD card port for data exporting.

＊ Perfect measuring prism

Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable.

＊ Ultra long life light source

It adopts High brightness LED lights with service life exceeding 100000 hours

＊ Auto temperature control system

It adopts Peltier temperature control system, make sure the whole testing with accuracy and constant temperature.

Technical Parameters:

Model	BK-R670
Refractive Index Measuring Range	1.30000~1.70000nD
Measuring Error	±0.0001nD
Measuring Resolution	0.0001/0.00001(switchable)
Brix Measuring Range	0~100%
Measuring Error (Brix)	±0.1%
Measuring Resolution (Brix)	0.1%/0.01%(switchable)
Temperature Control Mode	Peltier temperature controller
Temperature Measuring Range	0~100℃
Temperature Control Range	5~80℃
Temperature Control Accuracy	±0.02℃
Interface	RS232, USB, Ethernet interface
Data Storage Capacity	4G
Display	7″ TFT LCD touch screen
Consumption	45W
Power Supply	100~240VAC（15V 7.0A）
External Size(W*D*H)	365*300*150mm
Package Size(W*D*H)	490*420*300mm
Gross Weight	8kg

ABBE Digital Refractometer

Features for BK-RZT:

- ∗ Full automatic measuring
- ∗ Touch Screen
- ∗ LCD temperature display, automatic correction and saving the data
- ∗ Standard RS232 and USB interface

BK-RZT

Features for BK-R2S:

- ∗ Hard glass prism
- ∗ Standard RS232 interface
- ∗ Measure the Brix of sugar solution
- ∗ Visual aim and LCD display
- ∗ Automatic correcting of the effect of temperature on the Brix
- ∗ Measuring refractive index nD of transparent or translucent liquid and solid substances.

BK-R2S

Technical Parameters:

Model	BK-RZT	BK-R2S
Measuring Range	1.30000~1.70000nD Brix: 0-100%	1.3000~1.7000nD Brix: 0-100%
Measuring Resolution	±0.00001nD Brix: ±0.01%	±0.0001nD
Measuring Accuracy	±0.0002nD Brix: ±0.1%	±0.0002nD Brix: ±0.1%
Test Mode	8	/
Temperature Control Range	10~60℃	0~50℃
Temperature Resolution	0.1℃	
Temperature Accuracy	0.5℃	
Interface	RS232, USB	RS232
Display	7" LCD touch screen	LCD
Prism	Hard glass	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	340*200*110mm	210*110*310mm
Package Size(W*D*H)	500*330*220mm	370*240*470mm
Gross Weight	9kg	12kg

Portable Refractometer

Application:

Low Range: fruit juice, tomato juice, cola and most kinds of beverage
Middle Range: concentrated fruit juice, canned food, sugar solution inclusions, sauce, ketch up, seasoning and many kinds of industry fluids
High Range: liquid sugar, honey etc.

They can be used for industry fluid testing, such as for vegetable oils, industry, and many other chemical liquids or laboratory use fluids

Technical Parameters:

	Model	Range	Minimum Scale	Package Size(W*D*H)	Gross Weight
Brix	BK-PR5	0~5%	0.1%	200*95*80mm	0.35kg
	BK-PR10	0~10%	0.1%		
	BK-PR18	0~18%	0.1%		
	BK-PR20	0~20%	0.1%		
	BK-PR32	0~32%	0.2%		
	BK-PR50	0~50%	0.5%		
	BK-PR60	0~60%	0.5%		
	BK-PR62	28~62%	0.2%		
	BK-PR82	45~82%	0.5%		
	BK-PR92	58~92%	0.2%		
	BK-PR80	0~80%(1 ranges)	0.5%		
	BK-PR90	0~90%(1 ranges)	0.5%		
Honey	BK-PRN3	58~92% Brix	0.5% Brix		
		38~43 oBe'	0.5 oBe'		
		12~27% Water	1% Water		
Salinity	BK-PRA1	0~100‰	1‰		
		1.000~1.070	0.005		
	BK-PRA2	0~28%	0.2%		
	BK-PRA3	0~35%	0.5%		
	BK-PRA4	0~40 PPT	1‰		
	BK-PRS1	0~100‰ Salinity	1‰		
		1.000~1.070	0.005		
		0~10% Brix	0.1%		
	BK-PRS2	0~28% Salinity	0.2%		
		0~32% Brix	0.2%		

Polarimeter

Polarimeter

Features:

- ＊ Automatic calibration function, to calibrate optical rotation via five standard points(BK-P810A, BK-P850A).
- ＊ Peltier temperature control; temperature range: 15~30℃, temperature accuracy: ±0.3℃(BK-P850, BK-P850A).
- ＊ 5.6″ color touch screen for displaying and operating, WINDOWS operating interface.
- ＊ Wide measuring range: optical rotation: ±89.99°, optical specific rotation: 259°Z.

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Technical Parameters:

Model	BK-P810	BK-P810A	BK-P810Pro	BK-P850	BK-P850A	BK-P850Pro
Light Source	LED lamp					
Measuring Range	±89.99°, 259°Z					
Wavelength	589.3nm					
Readable Accuary	0.001°					
Measuring Accuracy	0.02°					
Repeatability	0.002°					
Sample Transmittance	＞0.1%					
Temp. Control Range	\			Built in Peltier, 15 -30℃, ±0.3℃		
Test Mode	Optical rotation, optical specific rotation, concentration, sugar scale Z					
Display	5.6'' color touch screen; （8'' color touch screen for BK-P810Pro/850Pro)					
Data Storage Capacity	1000sets; (8GB for BK-P810Pro/850Pro)					
Interface	RS232 or USB; Excel format and "Blue Ocean" format; (WI-FI for BK-P810Pro/850Pro)					
Atlas Duration	4 Hours only for BK-P810Pro/P850Pro					
Power Consumption	250W					
Power Supply	AC220V±10%, 50Hz					
External Size(W*D*H)	708*330*287mm					
Package Size(W*D*H)	840*455*445mm					
Gross Weight	30kg			40kg		

▪ " A" in BK-P810A and BK-P850A mean automatic calibrate optical rotation.

Automatic Polarimeter

BK-P1/2

BK-P3

Features:

- ＊ LCD Display
- ＊ Photoelectric test and microcomputer control.
- ＊ Preheating is not needed. (Only for BK-P1 and BK-P2 Model).
- ＊ Dark-colored sample can be measure. (Only for BK-P1 and BK-P2 Model).
- ＊ Automatic repetition-measurement for 6 times, and calculation of average value and means square root.
- ＊ Sample chamber adopts constant temperature designing in order to reduce the temperature heating influence.

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Technical Parameters:

Model	BK-P1	BK-P2	BK-P3
Light Source	LED lamp		
Measuring range	±45°(optical rotation) /±120° Z(sugar)		
Wavelength	589nm		
Readable Accuracy	0.001°(optical rotation)		
Measuring Accuracy	±0.01°(-15°≤ optical rotation≤ +15°) ±0.02°(optical rotation＜ -15°or optical rotation ＞ +15°)		±(0.01+measurement value*0.05%)°(optical rotation)
Repeatability	0.002°(optical rotation)		≤0.003°(optical rotation)
Sample Transmittance	1%		/
Temperature Control Range	/	15~30℃	/
Temperature Accuracy	±0.5℃		/
Test Mode	Optical rotation,specific rotation, concentration,sugar degree		
Test Tube	200mm, 100mm	200mm, 100mm, 100mm (Constant Temperature tube)	200mm,100mm
Interface	USB&RS232		USB
Power Supply	AC110/220V+10%,50/60Hz		
External Size(W*D*H)	690*370*280mm		570*350*280mm
Package Size(W*D*H)	820*500*510mm		730*480*470mm
Gross Weight	43kg		36kg

BK-P2S Digital Automatic Polarimeter

BK-P2B Automatic Polarimeter

Features:

- ∗ LCD Display
- ∗ Storage of three times results and calculation of average values
- ∗ Dark-colored sample can be measured
- ∗ Photoelectric test and automatic servomechanism control

Technical Parameters:

Model	BK-P2S	BK-P2B
Light Source	LED lamp	
Measuring Range	±45°(optical rotation) /±120°Z(sugar)	±45°(optical rotation)
Wavelength	589nm	
Readable Accuracy	0.001°(optical rotation)0.01°Z(sugar)	0.002°(optical rotation)
Measuring Accuracy	±(0.01+measurement value*0.05%)°(optical rotation) ±(0.03+measurement value*0.05%)°Z(sugar)	±(0.01+measurement value*0.05%)°
Repeatability	≤0.002°(optical rotation)	≤0.01°(optical rotation)
Test Mode	Optical rotation, sugar degree	Optical rotation
Test Tube	200mm, 100mm	
Sample Transmittance	＞1%	＞10%
Interface	RS232	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	570*350*280mm	
Package Size(W*D*H)	730*480*470mm	
Gross Weight	36kg	

Disc Polarimeter

Features:

- ∗ Visual aim
- ∗ Manual measure
- ∗ Easy to operate

Technical Parameters:

Model	BK-P4	BK-P4L
Light Source	Sodium lamp	LED
Wavelength	589.44nm	
Measuring Range	-180° ~ +180°	
Division Value	1°	
Venire Readable Accuracy	0.05°	
Magnifying Factor of the Magnifying Glass	4 X	
Test Tube	200mm, 100mm	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	440*110*230mm	
Package Size(W*D*H)	600*220*400mm	
Gross Weight	7.6kg	

Optional Polarimeter Accessories

∗ Micro Tube

With sample loading capacity less than 0.8ml and length of 50mm, suitable for BK-P2S, BK-P2B, BK-P1, BK-P2, BK-P3, BK-P4 polarimeter.

∗ Thermostatic Tube

Dedicated to BK-P2 for the length of about 100mm, the sample loading is 2.5ml. And the non-corrosive type is optional to purchase.

∗ Standard Quartz Tube

The only calibration equipment for standard polarimeter and optical Brix; with stable performance, less influence by the environment, and easy-to-use features, The loading of quartz tube includes±1°, ±5°, ±7°, ±34° and ±68°, for customer to choose accordingly.

Suitable for BK-P2S, BK-P2B, BK-P1, BK-P2, BK-P3, BK-P4 polarimeter.

Melting Point Apparatus

Colorless and color Sample Manual Melting Point Apparatus

Application:

This machine is used to determine the melting point of a substance.

It is widely used in the chemical industry and pharmacy research.

Such as measurement of spices, dyes and measurement of other organic crystal substances.

128.05℃
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Featres:

- ＊ 8-inch LCD touch screen.
- ＊ 720P HD camera, 8X optical zoom.
- ＊ Linear heating rate 0.10 ℃-20.00 ℃ adjustable.
- ＊ With USB interface can connect to a printer.

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Technical Parameters:

Model	BMP420
Temperature range	RT~300℃
Temperature accuracy	0.4℃ (< 200℃); 0.7℃ (≥200℃)
Temperature resolution	0.1℃
Temperature repeatability	0.2℃ at 0.2℃/min
Linear heating up rate	0.1 to 20℃/min
Display	8.1 inch LCD touch screen
Standard capillary diameter	Internal dia. 1.0mm; External dia. 1.4mm
Capacity per batch	4 pcs
Interface	USB,Wire or wireless
Power consumption	120W
Power supply	110V~240V,50/60HZ
External size(W*D*H)	305*220*230mm
Package size(W*D*H)	470*345*390mm
Gross weight	8kg

Digital Melting Point Apparatus

BMP-2C/1C

BMP-1B

Features for BMP-2C/1C:

- ＊ PID & PWM controller.
- ＊ LCD touch screen for BMP-2C/BMP-1C.
- ＊ USB & RS232 interface.
- ＊ The melting curve can be recorded automatically.
- ＊ It can calculate average value of initial and final. melting points automatically.

Features for BMP-1B:

- ＊ Photoelectric test.
- ＊ LCD display.
- ＊ RS232 interface.
- ＊ Real time melting curve.

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Technical Parameters:

Model	BMP-2C	BMP-1C	BMP-1B
Measuring Range	RT~360℃	RT~400℃	RT~320℃
Resolution	0.1℃		
Linear heating-up Rate	0.1℃~20℃/min		0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0℃/min
Temperature Accuracy	0.4℃ (≤200℃), 0.7℃(>200℃)		
Repeatability	0.3℃		
Capillary Size	φ1.4mm(outside diameter), φ1.0mm(inside diameter), 90mm (height)		
Sample Loading Height	3mm		
Data Storage	1000 sets		/
Printer	RD TH-32C(Standard)	RD TH-32C(Optional)	
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	360*290*270mm		
Package Size(W*D*H)	580*430*310mm	500*430*310mm	
Gross Weight	13kg	11kg	

Flash Point Tester

Open-Cup Flash Point Tester

Application:

It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils.

Features:

BK-FP3536:

- ＊ It adopts special heating furnace to ensure the safety of test.
- ＊ The heating power is continuously adjustable. It can meet requirements of test.
- ＊ The instrument is fully self-contained complete. The operator can do determination as long as connecting with coal gas or other civil gas.
- ＊ With fast cooling function, it can improve test efficiency.

BK-FP3536D:

- ＊ 8-inch IPS high-definition capacitive screen, the test data and parameters are displayed by curve in real time
- ＊ Automatic measurement of atmospheric pressure, automatic correction of flash point value.
- ＊ Equipped with Bluetooth interface. The user can query test data anytime.
- ＊ Electronic ignition, gas flame.
- ＊ Remote automatic upgrade to obtain the latest version, remote prediction, abnormal early warning, comprehensive evaluation and maintenance of instrument operation status.

BK-FP3536

BK-FP3536D

Technical Parameters:

Model	BK-FP3536	BK-FP3536D
Thermometer	-6℃~400℃. It is the same as thermometer ASTM 11C	
Ambient Temperature	15℃~35℃	
Relative Humidity	≤85%	
Consumption	≤650W	≤750W
Test Flame Applicator	It applies the test flash automatically.	
Heating Device	Furnace heating, no naked fire, explosion prevented. The power is adjustable from 0W to 600W	1. Initial heating: (14~17) ℃/min 2. It is (5-6) ℃/min after reaching the preset flash point 20 ℃
Igniting Device	(1) Ignition source: coal gas(or civil gas) (2) Flame diameter is 3.2mm~4.8mm	Electric ignition Diameter of igniter: 0.7mm~0.8mm
Flash Point Determination	\	Range: Ambient to 400℃ Accuracy: 0.1℃
Power Supply	AC220V±10%, 50Hz	
Dimension(W*D*H)	350*290*350mm	510*320*330mm
Package Size(W*D*H)	520*440*350mm	680*500*580mm
Gross Weight	12kg	36kg

Closed-Cup Flash Point Tester

Application:

It is used to make determination of the closed cup flash point of the petroleum products.

Features:

BK-FP261:

- ＊ The heating power is adjustable and shown visually by voltmeter.
- ＊ The structure is designed small and exquisite with stainless-steel table board.

BK-FP261D:

- ＊ 8-inch IPS high-definition capacitive screen, the test data and parameters are displayed by curve in real time.
- ＊ Automatic measurement of atmospheric pressure, automatic correction of flash point value.
- ＊ Equipped with Bluetooth interface. The user can query test data anytime.
- ＊ Temperature rise, cover opening, ignition, detection and printing data are completed automatically, and the test arm rises and falls automatically.
- ＊ Remote automatic upgrade to obtain the latest version, remote prediction, abnormal early warning, comprehensive evaluation and maintenance of instrument operation status.
- ＊ Electronic ignition, gas flame, automatic air cooling at the end of the test.

BK-FP261

BK-FP261D

Technical Parameters:

Model	BK-FP261	BK-FP261D
Ambient Temperature	15~35℃	
Relative Humidity	≤85%	
Flash Point Determination	Mercury-in-glass thermometer. Specifications are as below: Scale -5℃~110℃, division 0.5℃ Scale 20℃~150℃, division 1℃ Scale 90℃~370℃, division 2℃	Range: Ambient to 230℃ Repeatability: ≤3℃ Reproducibility: ≤4℃ Accuracy: 0.1℃
Oil Cup	Inner diameter: 50.7mm~50.8mm. Depth: 55.7mm~56.0mm The scribed line depth of capacity of testing oil: 33.9mm～34.3mm. Capacity of testing oil:about 70ml	
Stirring Rate	Procedure A: (90~120)RPM, Procedure B: (250±10)RPM	
Igniting Device	Igniting source: gas(or other civilian fuels, the same below)	Electric ignition. Diameter of igniter: 0.7mm~0.8mm
Heating Device	The heating power is continuously adjustable from 0 W to 600W.	
Heating Rate	(1~12)℃/min: Controllable and adjustable	Procedure A: (5~6)℃/min, Procedure B: (1~1.5)℃/min, Procedure C:(3±0.5）℃/min
Consumption	≤650W	≤600W
Power Supply	AC220V±10%, 50Hz	
Dimension(W*D*H)	370*320*300mm	510*320*330mm
Package Size(W*D*H)	460*400*410mm	690*500*600mm
Gross Weight	13kg	33kg

Grinding Machine

BK-24S/48S

BK-96S

BK-96LS

BK-96LDS

Application:

It is widely used in biochemistry, microbiology, pharmaceutical chemistry, surface chemistry, physical chemistry, zoology and other fields.

The types of samples processed include plant tissues (such as rice, corn, wheat, beans, peanuts), animal tissues (such as small intestine, heart, lung, fur, etc.), cells, bacteria, yeast, and various medicinal tissues, etc.

Features:

- ＊ The all-metal body improves the stability and safety of the whole machine.
- ＊ The safety lock of the working chamber ensures the safety of samples and laboratory.
- ＊ There is no cross-contamination, and the sample tube is fully enclosed during the crushing process.
- ＊ Good repeatability. The same procedure can be set for the same tissue sample to obtain the same grinding effect.
- ＊ A large number of simultaneous operations can be performed, and the effect is good.

Technical Parameters:

Model	BK-24S	BK-48S	BK-96S	BK-96LS	BK-96LDS
Standard Capacity	24*2ml PE adaptor,1pc 24*2ml refrigerating adaptor,1pc	48*2ml PE adaptor, 1pc 48*2ml refrigerating adaptor, 1pc	96*2ml PE adaptor, 1pc 96*2ml refrigerating adaptor, 1pc		
Refrigerating Function	No			Yes, 0 to -50℃	Yes, 20 to -50℃
Display Mode	Touch screen display				5 inches OLED touch screen display
Discharging Granularity	~5μm				
Acceptable Number of Grinding Tubes	＞2pcs				
Frequency	0-70Hz				
Time Setting	0-9999s				
Grinding Ball Material and Size	Alloy steel, chromium steel, zirconia, tungsten carbide, quartz sand; 0.1-30mm				
Noise Level	＜55dB				
Grinding Method	Wet grinding, dry grinding and low temperature grinding are all available				
Power Supply	220V 50/60Hz(standard), 110V 60Hz(optional)				
Optional Parts	1. Adaptor: Common type: 0.2ml*96;2.0ml*24; 5.0ml*12; 15ml*8; 25ml*4; 50ml*2; 5.0ml*24; etc. Refrigerating type (can get -196℃): 2.0ml*24; 5.0ml*12; 15ml*8; 25ml*2; 50ml*2; etc. 2. 2-100ml refrigerating grinding tube. They can also be customized.				
Packing Size(mm)	480*350*510	530*400*560	570*490*680	850*590*560	550*550*950
Gross Weight(kg)	25	39	52	74	95

Pre-Processing of Bio-Samples

Semi Automated Plate Sealer

Application:

The Semi-Automated Plate Sealer is used for sealing a wide variety of microplates (Elisa, cell culture, PCR and deep-well plates) to store samples, prevent evaporation and minimize contamination. It is applicable for a variety of heat seals, meeting any laboratory application, including PCR, coulorimetric, fluorescence, long term storage. A plate sensing system allows to provide uniform force, transferring heat evenly to the sealing surface whether using PCR plates or deep-well plates.

Features:

* Rapid heating(reaching 170C in 300seconds)
* Adjustable Sealing Temperature: 80℃ ~170℃
* OLED display screen, high light.
* Applicable for different micro plates and heat seals.
* Precise temperature, timing and pressure for consistent sealing.
* Compact footprint: only 178mm wide x 370mm depth

Technical Parameters:

Model	BK-PS1000
Display	OLED
Temperature Accurate	±1℃
Seal Time	0.5s～10s(increment of 0.1s)
Seals Plate Heights	9~48mm
Compatible Plate Materials	PP(Polypropylene); PS(Polystyrene); PE(Polyethylene)
Compatible Plate Types	Standard Assay Plates Deep-well Storage Plates PCR Plates: skirted, semi-skirted, non-skirted
Power	300W
Compatible Sealing Film Types	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer
Sealing Temperature	OFF, 80℃~200℃ (increment of 1.0℃)
Power Supply	220V, 50/60Hz;110V, 60Hz
Standard Blocks	Deep hole plate /ELISA plate adapters;96-hole microtiter plate adapter
Optional Blocks	384 hole microtiter plate adapter
External Size(W*D*H)mm	370*178*330
Package Size(W*D*H)mm	420*270*460
Net/Gross Weight(kg)	12/13

Microplate Incubator

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Introduction:

The microplate incubator adopts micro-processing technology combined with PID control method, which has the advantages of small size, light weight, and no pollution; LCD displays temperature and time, and is easy to operate. Mainly used for incubation of ELISA plates (96-well/384-well plates), 96-well cell culture plates, etc.

Features:

* Powder-coated steel shell, sturdy and durable.
* Adopt intelligent fuzzy PID control and double-layer heating system to ensure the stability and accuracy of temperature.
* With Fahrenheit and Celsius switching function.
* Timing mode, timing mode, timing unit are all selectable.
* With temperature self-tuning function, 2 interval PID control, 3 stage temperature slope correction.
* With lock screen function, password unlock.
* With temperature sensor failure alarm prompt, the controller automatically cuts off the heating output.

Technical Parameters:

Model	BJPX-DH2	BJPX-DH4
Temp. Control Range	RT.+5℃~90℃	
Timing Range	1~ 9999hour/minute	
Temp. Accuracy	≤±0.5℃	
Display Accuracy	0.1℃	
Temp. Uniformity	≤±0.5℃	
Heating Time	≤10min (from RT. to 80℃)	
Capacity	2pcs microplates or culture plates	4pcs microplates or culture plates
Power Supply	AC100V~245V 50/60Hz	
Dimension (mm)	250*300*200	250*430*200
Net Weight (kg)	6.5	12
Package Size (mm)	310*360*260	310*500*260
Gross weight (kg)	10	16

Denaturation & Hybridization System

Features:

- This instrument is adopted FISH processing step, which can reduce a lot of manual operating time and avoid the damage of harmful reagent.
- Full touch screen operation, friendly human interface.
- Support restart functionality runs an unexpected power outage, when power is restored can be scheduled to automatically back up and running.
- Supporting automatic cooling function after running over.
- Supporting automatic warm-up function.
- Platform high precision of temperature control, low fluctuation.
- Can deal with 12 slides.
- Support 105 custom programs stored functions.
- Integrated denaturation and hybridization, hybrid, multiple-step operation three modes of operation.

Technical Parameters:

Model	BK-DH2000
Temperature Control Range	RT+5℃~100℃
Temperature Setting Range	0℃~100℃
Capacity	12 Slides
Temperature Accuracy	≤±1℃
Temperature Uniformity	≤±1℃
Timing Range	1min~99h59min
Heating Time(37℃ to 95℃)	≤2min
Cooling Time(95℃ to 45℃)	≤6min
Power	350w
Power Supply	220V, 50/60Hz; 110V, 60Hz
External Size(L*W*H)	440*220*120mm
Packing Size(W*D*H)	580*370*300mm
Gross Weight	7kg

Thermo Shaker Incubator

Features:

- LCD display. It is easy to setup and use.
- Reliable design with inner extra temperature protection.
- Each thermo shaker is equipped with lifter that is easy to replace different blocks.
- Digital accuracy and convenience.
- Precision wells for uniform thermal transfer.
- Assorted blocks for a wide variety of tube sizes.
- Brushless DC Motor: noiseless long service life maintenance-free.
- Conform to CE safety standard.
- Accurately control and display time, temperature and speed.

Technical Parameters:

Model	BK-TSI10	Model	BK-TSI10
Temperature Setting Range	0℃~100℃	Auto Heating	Yes
Temperature Control Range	RT-20℃~100℃	Auto Resume To Run	Yes
Timing Range	1min~99h59min/∞	Power Supply	150w
Temperature Accuracy	≤±0.3℃	Fuse	250V 3A Φ5×20
Temperature Uniformity	≤±0.3℃	Heating Time	≤15min(from 25℃ to 100℃)
Shaking Speed	200rpm~1500rpm	Cooling Time	≤10min(from 100℃ to 25℃)
Orbit	3mm		≤20min(from RT to RT-20℃)
Multi Point Running	Yes (Max 5points)	Voltage	AC110~220V/50~60Hz
Multi Cycle	Yes (Max 99times)	Dimension	260*195*150mm
Auto Running	Yes	Packing Size(W*D*H)	410*320*310mm
Storage At 4℃	Yes	Gross Weight	9.5kg

Optional Blocks:

Type	Test Tube Diameter	Type	Test Tube Diameter
B30	96*0.2ml	B36	24*5ml
B31	54*0.5ml	B37	15*10ml
B32	35*1.5ml	B38	12*15ml
B33	35*2.0ml	B39	6*50ml(round-shape bottom)
B34	15*0.5ml+20*1.5ml	B39-S	6*50ml(cone-shape bottom)
B35	96*0.2ml(elisa plate)		

Microplates Shaker

Features:

- LCD display system status and parameters.
- Stable and reliable shaking.
- Easy to operate with one touch knob.
- Automatic fault detection and buzzer alarm function.
- 12-month warranty.

Technical Parameters:

Model	BK-TS100
Time Range	1min~99h59min
Mixing Orbit	3mm
Sample Capacity	4plates
Speed Range	200~1500rpm
Speed Step Value	10rpm
Consumption	45W
Power Supply	AC110~240V, 50/60Hz
Dimension	280*270*140mm
Packing Size(W*D*H)	440*360*260mm
Weight	4.0kg
Gross Weight	6.5kg

Dry Bath Incubator

Features:

- ∗ LCD display, real-time temperature display and countdown display.
- ∗ A variety of heating aluminum blocks can be flexibly replaced, making it more widely used and easy to clean and disinfect.
- ∗ Automatic fault detection and alarm function.
- ∗ Temperature deviation calibration function.

Technical Parameters:

Model	BJPX-DB1	BJPX-DB2	BJPX-DB4
Block Quantity	1	2	4
Temp. Control	PID microprocessor controller		
Temp. Range	RT+5℃-160℃		
Temp. Accuracy	±0.5℃ (at 40℃)		
Temp. Uniformity	±1.0℃ (at 40℃)		
Display Accuracy	0.1℃		
Timing Range	1～9999 mins or continuous operation.		
Heating Time	≤20 mins (30℃ to 130℃); ≤30 mins (30℃ to 160℃)		
Material	The Cover: Acrylic. External: Cold-rolled steel with anti-bacteria powder coating		
Standard Block	DB005*1pcs	DB005*2pcs	DB005*4pcs
Power Supply	220VAC±10% or 110VAC±10%; 50/60Hz		
External Size (W*D*H)	310*220*190 mm	380*260*200mm	502*260*200mm
Package Size (W*D*H)	360*280*240mm	555*320*250mm	
Net/Gross Weight	3.5/5kg	8/10kg	10/12kg

Optional Blocks:

No	Tube Diameter	Max Number of Tubes	No	Tube Diameter	Max Number of Tubes
DB001	0.2ml centrifugal tube	96	DB008	φ16mm	15
DB002	φ6mm	50	DB009	φ18mm	12
DB003	0.5ml centrifugal tube	40	DB010	φ20mm	8
DB004	φ10mm	28	DB011	φ26mm	6
DB005	1.5ml centrifugal tube	28	DB012	mixed sizes 1	6*φ13mm+8*φ10mm; 10*φ6mm+1*φ25mm
DB006	2.0ml centrifugal tube	28	DB013	mixed sizes 2	14*φ11mm; 14*φ12mm
DB007	φ13mm	24	DB014	mixed sizes 3	Customized

Dry Bath Incubator

BK-HW100D

BK-HW100

BK-HW100G

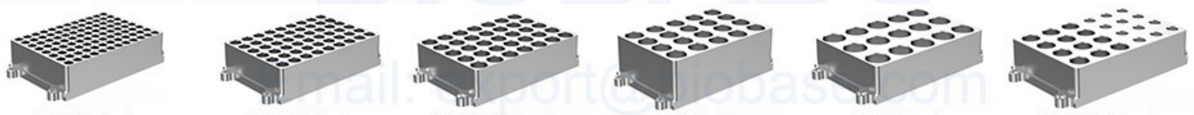
Introduction:

Dry bath incubator is a product controlled by a microcomputer and manufactured with semiconductor refrigeration technology or heating film technology. The instrument can be configured with a variety of modules, which can be widely used in sample storage, storage and reaction of various enzymes, denaturation treatment of nucleic acids and proteins, PCR reaction, pre-denaturation of electrophoresis and serum coagulation, etc.

Features:

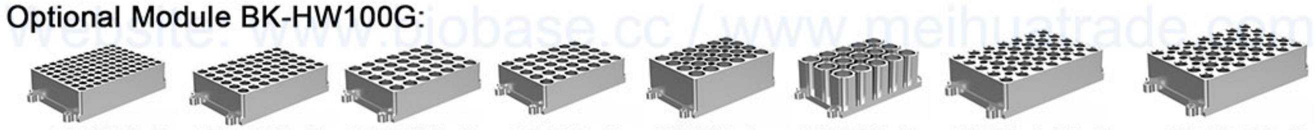
- ∗ Microcomputer controller, high stability and precision.
- ∗ LCD display, simple interface. Easy to set up and use.
- ∗ Different kinds of modules are available.
- ∗ Over-heating protection device, safe and reliable.
- ∗ Multi periods program control, programmable.
- ∗ Automatic fault detection and buzzer alarm function.
- ∗ Temperature deviation calibration function.

Optional Module BK-HW100D/100:



A01(0.2ml) A02(0.5ml) A03(1.5-2ml) A04(5ml) A05(10ml) B01(0.5-2ml)

Optional Module BK-HW100G:



GA01(0.2ml) GA02(0.5ml) GA03(1.5ml) GA04(2ml) GA05(5ml) GA06(10ml) GB01(0.5-1.5ml) GB02(0.5-2ml)

Technical Parameters:

Model	BK-HW100D	BK-HW100	BK-HW100G
Temp Setting Range	10℃-105℃		0℃-100℃
Temp Control Range	RT + 5℃-100℃		5℃-100℃(TEC)
Time Setting Range	1 min-99h59min		
Temp Fluctuation	≤±0.5℃		
Module Temp Uniformity	≤±0.5℃		
Temp Control Accuracy	≤±0.3℃		
Temp Display Accuracy	0.1℃		
Heating Rate	≤12min (20℃-100℃)		≤15min (20℃-100℃)
Cooling Speed	/		≥8℃/min (from 100℃ to 20℃)
Temp Deviation Correction	Yes		≥1.3℃/min (from RT to RT-20℃)
Program Setting	5 program periods		
Shaking Speed	/		200-1500r/min
Storage	10 programs		
Alarm	Power-on self-test, over-temperature protection, fault alarm		
Consumption	150W		
Power	AC220V, 50/60Hz;110V, 60Hz(customizable)		
Standard Module	B01*1(0.5-2ml)		GB01*1(0.5-1.5ml)
Package Size(mm)	375*290*310		
Gross Weight(kg)	6	8.5	10.5

Dry Bath Incubator

Application:

DBI-3 is microprocessor controlled Dry Bath Incubator. Instead of traditional water bath device, the heat-conducting medium is high purity alumium. The exact desired temperature is easily set using the arrow keys on the sloped control panel while values are shown on the large digital display. No checking of a thermometer and readjusting temperature is necessary. The user calibration feature allows for easy calibration to in house standards when required.
This product can be widely used in preservation and reaction of samples, DNA amplification, electrophoresis denaturation and serum solidification, etc.

Features:

- LCD display.
- Automatic fault detection and buzzer alarm function.
- Electronic calibration. User can reset to any local standard.
- Easy replacement and cleaning of block.
- Built-in over-temperature protection.
- Customized modules are accepted.

Technical Parameters:

Model	DBI-3	Model	DBI-3
Temp Setting Range	0℃~100℃	Auto Heating	Yes
Temp Control Range	RT+5℃~100℃	Auto Resume To Run	Yes
Time Range	1min ~ 99h59min/∞	Capacity	See optional block
Temp Accuracy	≤±0.3℃	Power	150W
Display Accuracy	0.1℃	Power Supply	220V, 50/60Hz;110V, 60Hz
Temp Uniformity	≤±0.3℃	Fuse	250V 3A Φ5*20
Heating Time	≤12min(from 25℃ to 100℃)	Dimension	260*195*150mm
Multi Points Running	Yes（Max 5 points）	Weight	2.5Kg
Multi Cycle	Yes（Max 99 times）	Package Size	410*320*310mm
Auto Running	Yes	Gross Weigh	3.5kg

Optional Blocks:

Type	Description	Type	Description
B30	96*0.2ml PCR plate	B36	24*5ml centrifuge tube
B31	54*0.5ml centrifuge tube	B37	15*10ml centrifuge tube
B32	35*1.5ml centrifuge tube	B38	12*15ml centrifuge tube
B33	35*2.0ml centrifuge tube	B39	6*50ml centrifuge tube(round-shape bottom)
B34	20*1.5ml+15*0.5ml	B39-S	6*50ml centrifuge tube(cone-shape bottom)
B35	96*0.2ml elisa plate	Choose one as a standard block.	

Dry Bath Incubator

Application:

DBI-10C is microprocessor controlled Dry Bath Incubator. Instead of traditional water bath device, the heat-conducting medium is high purity alumium. The exact desired temperature is easily set using the arrow keys on the sloped control panel while values are shown on the large digital display. No checking of a thermometer and readjusting temperature is necessary. The user calibration feature allows for easy calibration to in house standards when required.
This product can be widely used in preservation and reaction of samples, DNA amplification, electrophoresis denaturation and serum solidification, etc.

Features:

- Energy-efficient Peltier design.
- Automatic fault detection and buzzer alarm function.
- Electronic calibration. User can reset to any local standard.
- Small, compact size uses very little bench space.
- Easy replacement, cleaning and disinfecting of metal blocks.
- Built-in over-temperature protection.
- Customized modules are accepted.
- Buzzer alarm when temperature control ends.

Technical Parameters:

Model	DBI-10C	Multi Cycle	Yes（Max 99 times)
Temp Setting Range	-10℃~100℃	Auto Running	Yes
Temp Control Range	RT- 30℃~100℃	Auto Heating	Yes
Time Range	1min ~ 99h59min/∞	Auto Resume To Run	Yes
Temp Accuracy	≤±0.3℃	Capacity	See optional block
Display Accuracy	0.1℃	Power	150W
Temp Uniformity	≤±0.3℃	Power Supply	AC100~240V, 50/60Hz
Heating Time	≤10min(from 25℃ to 100℃)	Fuse	250V 3A Φ5*20
Cooling Time	≤10min(from 100℃ to 25℃)	Dimension	260*195*150mm
Cooling Time	≤25min(from RT to RT-30℃)	Weight	4.5Kg
Storage At 4℃	Yes	Package Size	410*320*310mm
Multi Points Running	Yes（Max 5 points）	Gross Weight	5.5kg

Optional Blocks:

Type	Description	Type	Description
B30	96*0.2ml PCR plate	B36	24*5ml centrifuge tube
B31	54*0.5ml centrifuge tube	B37	15*10ml centrifuge tube
B32	35*1.5ml centrifuge tube	B38	12*15ml centrifuge tube
B33	35*2.0ml centrifuge tube	B39	6*50ml centrifuge tube(round-shape bottom)
B34	20*1.5ml+15*0.5ml	B39-S	6*50ml centrifuge tube(cone-shape bottom)
B35	96*0.2ml elisa plate	Choose one as a standard block.	

Dry Bath Incubator

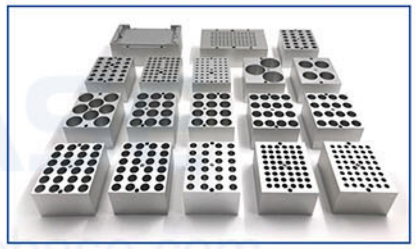
Application:

The product is controlled by microcomputer, use high purity aluminum material as a heat conduction medium instead of the conditional water bath device, which is easy to use, wide temperature range, high precision and etc. It can be widely used in the sample preservation, reaction of DNA amplification, electrophoresis, degeneration, solidification and other kinds of serum biochemical sample thermostatic incubation process.

DBI-1001

DBI-1002

Features:



- ∗ Real-time temperature display, the countdown display.
- ∗ Convenient block replacement, easy to clean and disinfect.
- ∗ Automatic fault detection and alarm function.
- ∗ Built-in over temperature protection device.
- ∗ Temperature deviation calibration function.

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Technical Parameters:

Model	DBI-1001	DBI-1002
Temperature Range	RT.+5°C~160°C	RT.+5°C~160°C
Temp Accuracy	±0.5℃(@40℃)	
Temp Accuracy	±1℃(@120℃)	
Temp Uniformity	±0.5℃	
Display Accuracy	0.1℃	
Time Range	1-99h59min/∞	
Heating Time	≤15min(from 25℃ to 160℃)	≤15min(from 25℃ to 160℃)
Block Quantity	1	2
Max Power	300W	500W
Voltage	AC220V or AC110V, 50/60Hz	
Size	260*220*100mm	260*220*100mm
Weight	5.0kg	5.5Kg
Package Size	360*310*230mm	
Gross Weight	6kg	

Optional Blocks:

Model	Tube Diameter	Tube Quantity	Model	Tube Diameter	Tube Quantity
B01	6mm	48	B10	26mm	8
B02	7mm	48	B11	28mm	4
B03	10mm	24	B12	40mm	3
B04	12mm	24	B13	0.2ml centrifuge tube	48
B05	13mm	24	B14	0.5ml centrifuge tube	48
B06	15mm	16	B15	1.5ml centrifuge tube	24
B07	16mm	16	B16	2.0ml centrifuge tube	24
B08	19mm	12	B17*	0.2ml PCR plate	96
B09	20mm	12	B18*	0.2ml Elisa plate	96
B17/B18 block is only used for DBI-1002					

Dry Bath Incubator

Application:

DBI-M is a microprocessor-controlled product. It is widely used in preservation and reactions of sample, DNA amplification and initial denaturation of electrophoresis and so forth. It fits almost anywhere and can even be used in cars, boats or wherever a 24 volt volt power source is available.

Features:

- ∗ Energy-efficient design.
- ∗ Applicable to 24V / 12V power adapter.
- ∗ Accurate to ± 0.3℃.
- ∗ Process of experiment is visible.
- ∗ Electronic calibration. User can reset to any local standard.
- ∗ Custom blocks made to fit any sample holder.

BIOBASE

Technical Parameters:

Model	DBI-M
Temp. Range	RT+5℃～100℃
Timing Range	1min~99h
Temp. Accuracy	≤±0.3℃
Display Accuracy	0.1℃
Temp. Stability	±0.3℃
Heating Time	≤20min(from 40℃ to 100℃)
Voltage	DC24V/1.67A
Power	40W
Dimensions	145*113*110mm
Weight	0.5kg
Package Size	280*240*210mm
Gross Weight	1.7kg

Optional Blocks:

Type	Description
Mini A	15*2.0ml
Mini B	15*1.5ml
Mini C	24*0.5ml
Mini D	32*0.2ml
Choose one as a standard block.	

Sample Concentrator

Features:

- ∗ High precision and wide range of tamp control.
- ∗ Blowing a large number of samples at one time.
- ∗ Blowing each sample independently.
- ∗ Amount of airflow can be adjusted.
- ∗ Easy operation; safe and reliable to use.
- ∗ 12-month warranty.

Technical Parameters:

Model	BK-SC100
Temp. Control Range	RT.+5℃-160℃
Temp. Uniformity	≤±0.5℃
Display Accuracy	0.1℃
Heating Time	≤15min (from 25℃ to 160℃)
Max Gas Usage	15L/min
Max Gas Pressure	0.02Mpa(Gas pin≤16pcs); 0.05Mpa (Gas pin>16pcs)
Max Power	300W
Dimension	260*220*450mm
Temp. Accuracy	±0.5℃ (@40℃)
Temp. Accuracy	±1℃ (@120℃)
Timing Range	1-99h59min/∞
Max Vertical Travel	200mm
Needle Length	150mm
Block Quantity	1
Voltage	220V, 50/60Hz; 110V, 60Hz
Packing Size(W*D*H)	430*420*340mm
Weight(kg)	7.0
Gross Weight(kg)	9.0

Optional Blocks:

Type	Test Tube Diameter	Capacity
B03	10mm	24
B04	12mm	24
B05	13mm	24
B06	15mm	16
B07	16mm	16
B08	19mm	12
B09	20mm	12
B10	26mm	8
B11	28mm	4
B12	40mm	3
B15	1.5ml(centrifuge tube)	24
B16	2.0ml(centrifuge tube)	24
Choose one as a standard block.		

Sample Concentrator(visible)

Features:

- ∗ High precision and wide range of temp control.
- ∗ Blowing a large number of samples at one time.
- ∗ Blowing each sample independently.
- ∗ Amount of airflow can be adjusted.
- ∗ With special slotting-design block, surface location of.
- ∗ Concentrated samples can be observed.
- ∗ Easy operation; safe and reliable to use.

Technical Parameters:

Model	BK-SC400
Temp. Control Range	RT.+5℃-160℃
Temp. Uniformity	≤±0.5℃
Display Accuracy	0.1℃
Heating Time	≤15min (from 25℃ to 160℃)
Nitrogen Flow Rate	15L/min
Nitrogen Rressure	0.1Mpa
Max Power	500W
Dimension	260*220*475mm
Temp. Accuracy	±0.5℃ (@40℃)
Temp. Accuracy	±1℃ (@120℃)
Timing Range	1min-99h59min/∞
Needle Length	150mm
Block Quantity	1
Voltage	220V, 50/60Hz;110V, 60Hz
Packing Size(W*D*H)	430*420*340mm
Weight(kg)	7.3
Gross Weight(kg)	10.0

Optional Blocks:

Type	Diameter	Depth	Capacity
B02 027 001	10.5mm	50mm	12
B02 027 002	12.5mm	50mm	12
B02 027 003	13.5mm	50mm	12
B02 027 004	15.5mm	50mm	12
B02 027 005	16.5mm	50mm	12
B02 027 006	19.5mm	50mm	12
B02 027 007	20.5mm	50mm	12
Choose one as a standard block.			

Leakage Tester

Application:

Seal tester is used in food industry, beverage, pharmaceuticals, personal care etc.

By air compressor, seal tester's negative pressure is generated to test the hermetic sealing quality and performance of packaging bags, bottles and cans etc.

Features:

- ∗ Microcomputer control, test parameters can be set, automatic testing process
- ∗ LCD screen display
- ∗ Sealed chamber is made of high quality plexiglass tubing with 15mm thickness
- ∗ Backflush automatically to unload pressure

Seal tester
BIOBASE

Technical Parameters:

Model		BK-ST134
Vacuum Degree Range		-90~0kPa
Vacuum Precision		±0.1KPa
Resolution		0.1KPa
Indication of Changes		≤1%
Effective Size of Vacuum Chamber		Φ270*210mm or Φ270*160 mm(standard). Note: customization is available for other sizes
Original Air Pressure		0.7MPa (Owned)
Original Air Connection		Φ6Polyurethane pipes
Control Method		Microcomputer control, automatic test procedure
Display		LCD display
Dimensions	Operation Host	420*320*120mm(W*D*H)
	Vacuum Chamber	Φ300*350mm or Φ300*300mm
Environmental Conditions		RT(20±10)℃, Relative humidity<85%
Power Supply		AC110/220V±10%, 50/60Hz
Optional Accessories		Vacuum Chamber:Φ360*590 mm (H), Φ460*330 mm (H) Air Compressor
Package Size(W*D*H)		400*620*600mm
Net Weight/Gross Weight		16kg/23kg

Soil Nutrient Tester

Application:

It is used to detect available nitrogen, available phosphorus, available potassium, organic matter, soil pH and soil salinity in soil, plant, chemical fertilizer.

Soil Nutrient Analyzer
BIOBASE

Features:

- ＊ LCD display.
- ＊ Print testing date, sample number, sample items, sample contents, variety.
- ＊ Large capacity storage (time, place, fertilizers), datum can be checked at any time.
- ＊ Quickly test the N, P, K, organic matter, salinity, and pH in the soil, fertilizer and plants.
- ＊ With the function of time display, can automatically record and save the time of tested sample.
- ＊ Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount.

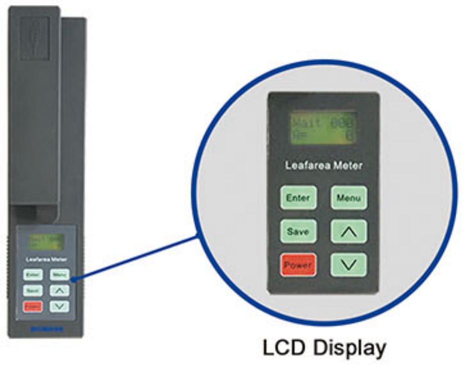
Technical Parameters:

Model		BK-Y6A	BK-Y6PC	BK-Y7PC
Soil Nutrient	Stability	Absorbency of light drift < 0.003		
	Repeatability	Absorbency of light < 0.005		
	Linearity Errors	Red light for Copper sulfate, and blue light for potassium dichromate < 3.0%		
	Sensitivity	Red light $\geq 4.5*10^{-5}$, Blue light $\geq 3.17*10^{-3}$		
	Wavelength Range	Red light 620±5nm; Blue light 440±5nm		
	Anti-Knocking Performance	Qualified		
PH	Testing Range	1~14		
	Error	±0.5%		
Salinity	Testing Range	0.01%~1.00%		
	Error	±5%		
Function		Test N, P, K, organic matter, soil pH, soil salinity, with storage function, built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs, with printing function	On the basis of BK-Y6A, with a software, be able to connect to computer for data storage, tele-transmission and printing	Moisture: Moisture unit: %(m /m Accuracy: ±2% Resolution: 0.1% Testing range: 0~100% On the basis of BK-Y6PC, but can measure soil moisture
Power Supply		220V/110V±10%, 50/60Hz		
Package Size(W*D*H)		670*390*230mm		
Gross Weight		11kg		

Portable Leaf Area Meter

Application:

Portable leaf area meter is mainly used for determination plant leaf, is a portable instrument can work in the field. The leaf area and related parameters of the leaves can be measured accurately, quickly and without damage, the area of the plant leaves and other flakes can also be measured. Widely used in agriculture, meteorology, forestry and other departments.



LCD Display

Technical Parameters:

Model	LAM-A/B
Unit	Millimeter, Square Centimeter
Precision	±2%
Resolution	0.01cm^2
Measuring Length	≤1000mm
Measuring Width	≤160mm
Thickness	≤8mm
Data Capacity	≥1000Groups
Packing Size(W*D*H)	390*230*220mm
Gross Weight	2kg

Features:

- ＊ Easy to operate. With Micro-computer technology, LCD display.
- ＊ Test many kinds of data, such as leaf area, average area, length of leaf, width of leaf, perimeter and ratio of length and width.
- ＊ USB link with computer by software, you can put the data into computer, and convert data to excel format and print. (Only for LAM-B)

Portable Chlorophyll Meter

Application:

Chlorophyll Meter is able to measure chlorophyll content of plants and leaf temperature. Chlorophyll content and leaf nitrogen content have a very close relationship. Thus, chlorophyll content can reflect plants demand for nitro. Using the instrument can put nitrogen fertilizer reasonably, improve utilization of nitrogen and protect environment.

Features:

- ＊ Enter the name of the plant, the standard nitrogen content and utilization, the standard fertilizer can be directly calculated.
- ＊ Chlorophyll, leaf temperature are displayed on same screen at the same time, and can be stored at the same time.
- ＊ USB interface can be connected to the computer to export the measured data, to facilitate the management and analysis of plant nutrients. (Only for CM-B)

Technical Parameters:

Model	CM-B
Measuring Area	2mm*2mm
Measuring Mode	2-wavelength concentration difference of optical methods
Sensors	Silicon semiconductor photodiode
Display Mode	Measuring value: 3 digits liquid crystal display Measuring times: 2 digits liquid crystal display
Min Measuring Interval	< 3s
Measuring Range	0.0~99.9 SPAD; -10~99.9°C
Accuracy	±3.0 SPAD; ±0.5°C
Repeat	±0.3SPAD; ±0.2°C
Power Supply	4.2V -2000Mah rechargeable Li battery
Memory Capacity	30Kb, automatically calculate and show the average
Package Size(W*D*H)	270*250*200mm
Gross Weight	2kg

BIOBASE
MENU
OK

Titrator

Potential Titrator

Features for Ti-40:

- ∗ Large LCD screen
- ∗ Integrated design of valve and burette
- ∗ Built-in stirrer
- ∗ Titration transmission device adopts linear motor design
- ∗ With anti leakage device

Features for Ti-20:

- ∗ Preset potential to control titration endpoint
- ∗ Pre-control potential is adjustable
- ∗ Solenoid valve for controlling dropping liquid
- ∗ Equipped with delay circuit of titration endpoint
- ∗ Equipped with stirrer

Ti-40

Ti-20

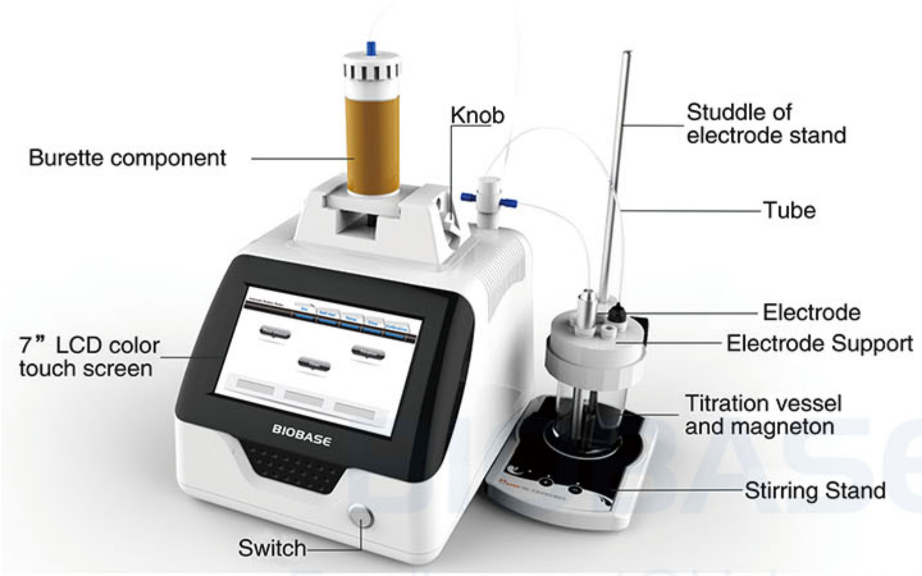
Technical Parameters:

Model	Ti-40	Ti-20
Measuring Range	pH: 0.00~14.00pH mV: -1800.0~1800.0mV Temp.: -5.0~105.0℃	pH: 0.00~14.00 Ph mV: ±1400mV
Measuring Resolution	pH: 0.01pH mV: 0.1mV Temp.: 0.1℃	pH: 0.01pH mV: 1mV
Measuring Accuracy	pH: ±0.01pH±1bit mV: ±0.03% (full scale) Temp.: ±0.3℃	pH: ±0.03pH±1 bit mV: ±5mV
Burette Volume Accuracy	10ml burette: ±0.025ml 20ml burette: ±0.035ml	/
Burette Supplementary Speed	55±10s (when burette is full scale)	/
Repeatability Titration Analysis	0.2%	/
Repeatability Accuracy	≤0.2mV	/
Stability	±0.3 mV±1bit/3h	±0.01pH/3h
Sensitive of Control Titration	±2mV	±5mV
Power Supply	AC110V/ 220V, 60Hz	
External Size(W*D*H)	340*400*400mm	300*235*100mm
Package Size(W*D*H)	540*490*480mm	490*410*300mm
Gross Weight	10kg	5kg

Potential Titrator

Introduction:

BK-PT860 Automatic Titrator is a lab titration device with high analysis accuracy under the principle of potentiometric titration. It adopts modular design, consists of three parts: volume titration device, control device and measuring device. The titration methods include macro titration, micro titration, volume setting titration, EP, etc.


Burette component
Knob
Studdle of electrode stand
Tube
Electrode
Electrode Support
7" LCD color touch screen
Titration vessel and magneton
Stirring Stand
Switch
BIOBASE

Details Display:

Ultrathin stirring device

High accuracy burette

Solenoid valve

Features:

- ∗ It adopts coil realize to magnetic stir.
- ∗ Accurate closed-loop control for volume.
- ∗ High-accuracy burette up to 0.005mm.
- ∗ Simple design, discrete stirring unit, easy for disassembly.
- ∗ LCD touch screen.

Technical Parameters:

Model	BK-PT860
Temperature Measuring Range	0~100℃
pH Measuring Range	0~14.00pH
mV Measuring Range	±1999mV
Resolution	0.01pH; 0.1mV; 0.1℃
Repeatability Accuracy	0.2%
Repeatability	≤0.2mV
Burett Volume Accuracy	Burette 15ml ±0.025ml
	Burette 25ml ±0.035ml
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	282*384*362mm
Package Size(W*D*H)	620*440*370mm
Gross Weight	12.2kg

Ultrasonic Cell Disruptor

Ultrasonic Cell Disruptor

Application:

Widely used in the field such as biology, chemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science, pharmacy for teaching, scientific research and production.

Features:

∗ LCD touch screen display.
∗ Storage capacity: 20 groups of program data.
∗ Temp. monitor: over-temperature protection.
∗ Other functions: automatic tracking the frequency, fault alarm.

Technical Parameters:

Model	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1200	UCD -1500	UCD -1800	UCD -2000
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Crushing Capacity(ml)	0.1~150	0.1~300	0.1~400	0.1~500	0.1~700	1~1000	1~1500	1~1200	50~2000
Standard Amplitude-change Pole Ø (mm)	6					20	22	22	25
Optional Amplitude-change Pole Ø(mm)	2, 3, 6, 8,10	2, 3, 6, 8, 10	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	2,3,6,8,10, 12,15	10,15,20, 22,25	10,15,20, 22,25	10,15,20, 22, 25	10,15,20, 25
Consumption (W)	1.5~150	2.5~250	5~500	6.5~650	10~1000	12~1200	15~1500	18~1800	0~2000
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)								
Package Size (W*D*H)	350*350*550mm(acousticchamber) 470*305*430mm(main body)								
Gross Weight	26kg					29kg			

Technical Parameter for Amplitude Pole:

Size	Crushing Capacity(ml)	Recommended power ratio	Frequency (KHz)	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1000	UCD -1200	UCD -1500	UCD -1800	UCD -2000
φ2mm	0.1-5ml	1~35%	20~25	√	√	√	√	√	√	×	×	×	×
φ3mm	3-10ml	1~45%	20~25	√	√	√	√	√	√	√	√	√	×
φ5mm	5-100ml	1~60%	20~25	×	×	×	×	×	×	×	×	×	×
φ6mm	10-100ml	1~70%	20~25	√	√	√	√	√	√	√	√	√	√
φ8mm	20-200ml	1~85%	20~25	√	√	√	√	√	√	√	√	√	√
φ10mm	30-300ml	1~90%	20~25	√	√	√	√	√	√	×	×	×	×
φ10mm	30-300ml	1~60%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ12mm	50-600ml	10~90%	20~25	×	×	√	√	√	√	×	×	×	×
φ15mm	200-750ml	10~95%	20~25	×	×	×	×	√	√	×	×	×	×
φ15mm	50-500ml	5~80%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ20mm	100-1000ml	10~90%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ22mm	200-1200ml	20~95%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ25mm	300-1500ml	30~95%	19.5~20.5	×	×	×	×	×	×	×	√	√	√

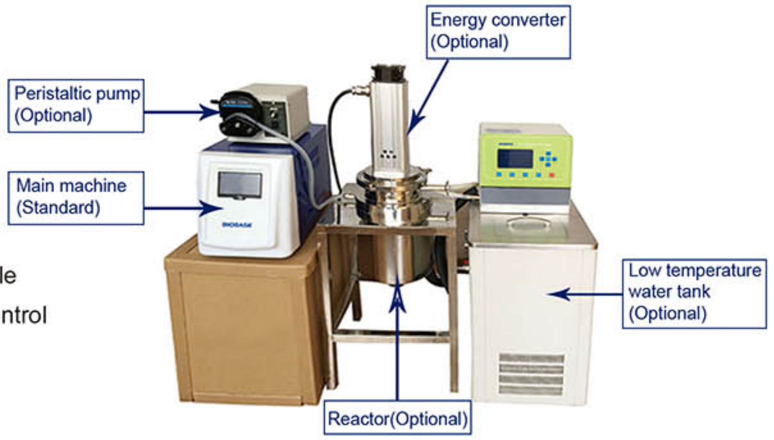
Continuous Flow Ultrasonic Cell Disruptor

Application:

It is suitable for the extraction of Chinese herbal medicine, cells, bacteria and emulsifying chemical nanometer material, suitable for small batch production or to provide accurate technical parameters for the future industrial production.

Features:

∗ LCD Display
∗ Automatic tracking the frequency
∗ Storage capacity: 20 groups of program data.
∗ It can test and control temperature of the sample
∗ Function of automatic feeding and computer control can be optional equipped


Energy converter (Optional)
Peristaltic pump (Optional)
Main machine (Standard)
Low temperature water tank (Optional)
Reactor(Optional)

Technical Parameters:

Model	UCD-4000W-II
Frequency	19.5~20.5KHz
Standard Amplitude-change Pole Ø	40mm
Crushing Capacity/Once	500~10000ml
Crushing Capacity/Continuously	100L/Day
Max.Consumption	1000~4000W, Adjustable
Time Set	Optional: Continuous/Pulse
Max. Working Time	99h59min59sec
Safety System	Over temperature; Time; Overload;No load
Standard Accessories	Main machine, energy converter, standard amplitude, sound proof box(or supporting frame)
Optional Accessories	Stainless steel reactor, peristaltic pump, low temperature water tank
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	675*305*450mm(main body); 430*415*730mm(soundproof box)
Gross Weight	32kg

Portable Ultrasonic Cell Disruptor

Features:

∗ LCD Display
∗ Temperature alarm setting range: 0~100℃
∗ Ultrasonic time setting for on and off: 0.1-9.9s
∗ Audible alarm for: Over temperature, over power, over time

Technical Parameters:

Model	UCD-P01
Frequency(KHz)	20~30, frequency automatic tracking
Crushing Capacity(ml)	0.1~150ml (need to choose the corresponding horn)
Standard Amplitude Pole Ø(mm)	3 or 5
Optional Amplitude Pole φ (mm)	2, 3, 5, 6
Other Optional Accessories	Foot switch, sound proof box,bracket
Consumption(W)	2.5~250W, adjustable
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	470*305*430mm(main body); 350*350*550mm(soundproof box)
Gross Weight	16(main body); 10(soundproof box)

Disintegrator

Plant Disintegrator

BIOBASE

Features:

- ∗ Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
- ∗ Featured by lightweight, small volume, compact structure, cotinuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.

Technical Parameters:

Model	MPD-102
Mesh Size (mm)	0.5/1/1.5
Working Time	Continuous
Grinding (Mesh)	60~120
Speed (rpm)	1400rpm
Consumption	180W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	300*185*280
Package Size(W*D*H) mm	465*240*290
Net Weight(kg)	11.3
Gross Weight(kg)	19.5

High-speed Universal Disintegrator

HSD-80

HSD-100/200

HSD-400A

BIOBASE

Technical Parameters:

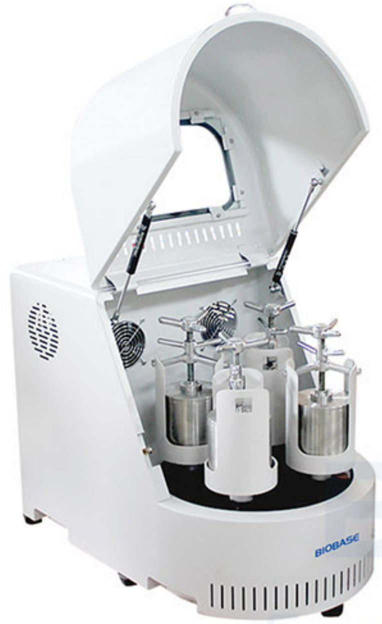
Model	HSD-80	HSD-100	HSD-200	HSD-400A
Speed (rpm)	10000	26000	26000	26000
Size of Grinding Room (mm)	Ø80*40	Ø100*40	Ø125*56	Ø150*80
Grinding (mesh)	40~200			
Input Quantity (≤G/time)	50	100	200	400
Consumption	200W	800W	800W	1000W
Power Supply	AC220V, 50Hz			
External Size(W*D*H) mm	Ø110*210H	Ø160*320H	Ø160*360H	230W*190D*420H
Net Weight(kg)	2.5	4	5	13
Gross Weight(kg)	3	5	6	14

Ball Mill

Vertical Planetary Ball Mill(Semi-circle Type)

Application:

Planetary Ball Mill has four ball grinding tanks installed on one turntable. When the turntable rotates, the tank axis makes planetary movements, the balls and samples inside the tanks are impacted strongly in high speed movement, and samples are eventually ground into powder. Various kinds of different materials can be ground by the mill with dry or wet method. Minimum granularity of ground powder can be as small as 0.1μm.



Features:

- ∗ 3D curve shape design.
- ∗ Special gear with low noise.

Visual Window

Planetary Mechanism

Frequency Converter Control

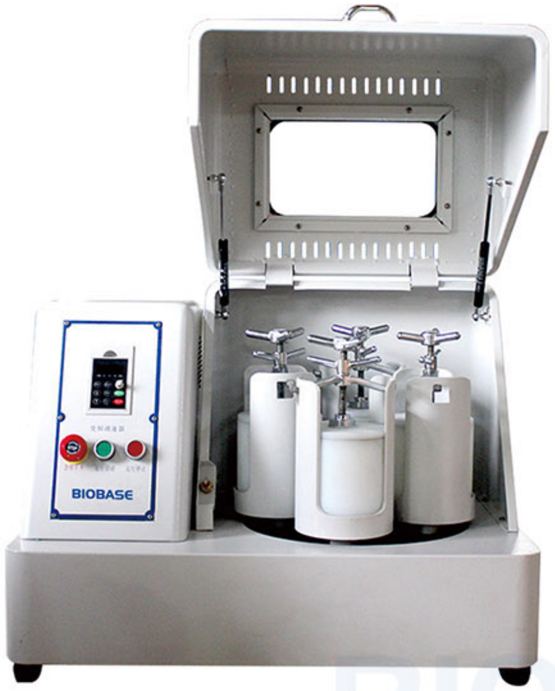
Hole of Cooling Fan

Technical Parameters:

Model		BKBM-V0.4	BKBM-V2
Capacity		0.4L	2L
Volume of Each Capacity		50~100ml	50~500ml
Pot Quantity		4 pcs	
Running Time Range		1~9999min	
Reciprocal Running Time		1~999min	
Adjustable Speed	Revolution	45~435rpm	35~335rpm
	Rotation	90~870rpm	70~670rpm
Noise		58±5dB	60±5dB
Speed Control Mode		Frequency Control	
Transmission Mode		Gear Drive	
Working Mode		2 or 4 pots can be used each time	
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank	
Feed Size		Soft and Crispy material<10mm, Other materials<3mm	
Out-put Granularity		Minimum Granularity can be reached to 0.1um	
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation	
Consumption		0.25KW	0.75KW
Power Supply		AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm		530*300*340	750*470*565
Package Size(W*D*H)mm		595*360*485	820*530*720
Net Weight(kg)		29	80
Gross Weight(kg)		50	100

Note: Both pot and ball are optional. For a ball mill with a capacity of 2L, if the matching mill pot specification is 25ml or 50ml, you need to purchase a base holder separately.

Vertical Planetary Ball Mill(Square Type)



Features:

- ∗ 3D curve shape design.
- ∗ Special gear with low noise.

Planetary Mechanism

Frequency Converter Control

Hole of Cooling Fan

Pneumatic Rod

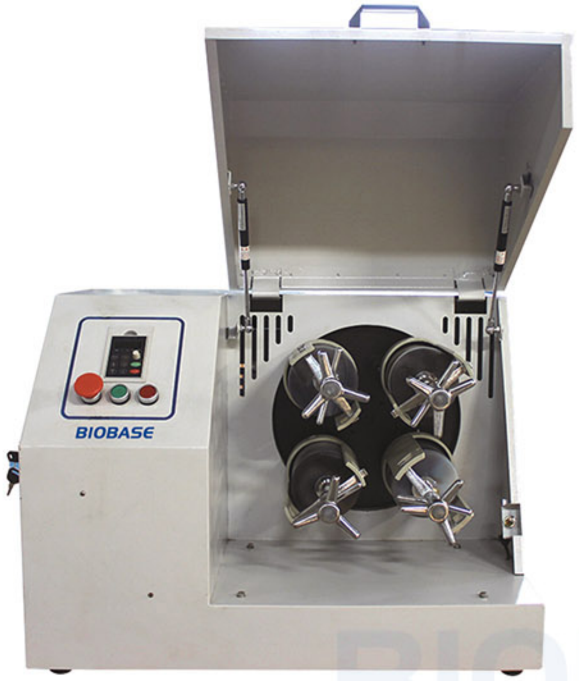
BIOBASE

Technical Parameters:

Model		BKBM-V2S
Capacity		2L
Volume of Each Capacity		50~500ml
Pot Quantity		4pcs
Running Time Range		1~9999min
Reciprocal Running Time		1~999min
Adjustable Speed Revolution	Revolution	35~335rpm
	Rotation	70~670rpm
Noise		60±5dB
Speed Control Mode		Frequency Control
Transmission Mode		Gear Drive
Working Mode		2 or 4 pots can be used each time
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank
Feed Size		Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity		Minimum Granularity can be reached to 0.1um
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation
Consumption		0.75KW
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm		770*470*570
Package Size(W*D*H)mm		820*540*680
Net Weight(kg)		93
Gross Weight(kg)		113

Note: Both pot and ball are optional. For a ball mill with a capacity of 2L, if the matching mill pot specification is 25ml or 50ml, you need to purchase a base holder separately.

Light Horizontal Planetary Ball Mill



Features:

- ＊ Horizontal structure of grinding pots.
- ＊ Special gear with low noise.

Planetary Mechanism

Frequency Converter Control

Hole of Cooling Fan

Pneumatic Rod

BIOBASE

Technical Parameters:

Model		BKBM-H2L
Capacity		2L
Volume of Each Capacity		50~500ml
Pot Quantity		4 pcs
Running Time Range		1~9999min
Reciprocal Running Time		1~999min
Adjustable Speed Revolution	Revolution	35~335rpm
	Rotation	70~670rpm
Noise		60±5dB
Transmission Mode		Gear Drive
Working Mode		2 or 4 pots can be used each time
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank
Feed Size		Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity		Minimum Granularity can be reached to 0.1pm
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation
Speed Control Mode		Frequency Control
Consumption		0.75KW
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm		700*570*520
Package Size(W*D*H)mm		800*610*670
Net Weight(kg)		86
Gross Weight(kg)		110
Note: Both pot and ball are optional. For a ball mill with a capacity of 2L, if the matching mill pot specification is 25ml or 50ml, you need to purchase a base holder separately.		

Optional:

Selection of pot's material: Pot's material has no pollution to the grinding materials and no effect to the appearance of powder.

Technical Parameters:

Category & Request of Grinding Material	Reference for Mill Pots' Material Option
Soil and other Materials which impurities are not allowed to be brought.	Agate Pot
Metal and non-metal materials which impurities are not allowed to be brought.	Zirconia Pot
High hardness materials like diamond, hard alloy.	Hard Alloy Pot
Strong acid and strong alkali substances, and materials under high temperature.	PTFE Mill Pot
Iron and steel minerals, impurities are not highly sensitive materials.	304 Stainless Steel Mill Pot
Pigment material, and materials which can be processed at high temperature.	Nylon Mill Pot
Containing aluminum material like ceramic glaze.	Corundum Pot
Electronic material like lithium battery.	Polyurethane Mill Pot
Easily oxidized materials which need to be protected by special gas.	Vacuum Mill Pot

BIOBASE

Nylon Mill Pot

PTFE Mill Pot

Zirconia Pot

Hard Alloy Pot

Polyurethane Mill Pot

Stainless Steel Mill Pot

Matching Ways for Mill Pots and Balls:

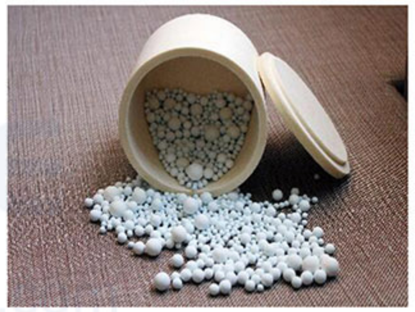
	Agate Grinding Ball	Zirconia Grinding Ball	Hard Alloy Ball	Stainless Steel Ball	Alumina Ball	Polyurethane Coated Iron Core Ball	Steel Ball
Agate Mill Pot	▲						
Zirconia Mill Pot		▲					
Hard Alloy Mill Pot			▲				
PTFE Mill Pot	▲						
Stainless Steel Mill Pot				▲			
Nylon Mill Pot		▲					
Corundum Mill Pot					▲		
Polyurethane Mill Pot						▲	

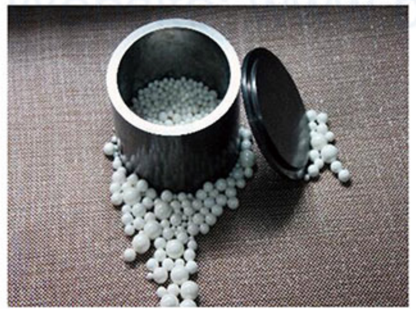
Remarks: ▲ Best Match

Best Match Ratio: Large-sized Ball: 20%; Medium-sized Ball: 50%; Small-sized Ball: 30%.

Stainless steel mill pot can be matched with stainless steel ball

Zirconia mill pot can be matched with zirconia balls


Corundum mill pot can be matched with alumina balls


Hard Alloy mill pot can be Matched with zirconia balls

Nylon nill pot can be matched with zirconia balls

PTFE mill pot can be matched with agate balls

Polyurethane mill pot can be matched with Agate balls

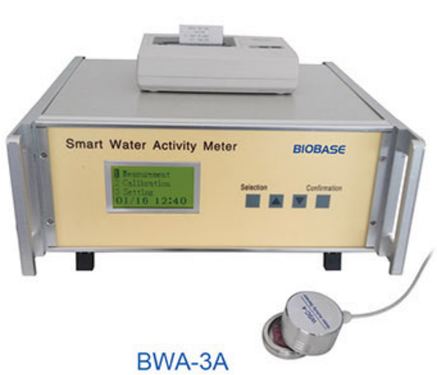
Tempered nylon mill pot can be matched with agate balls

Agate mill pot can be matched with agate balls

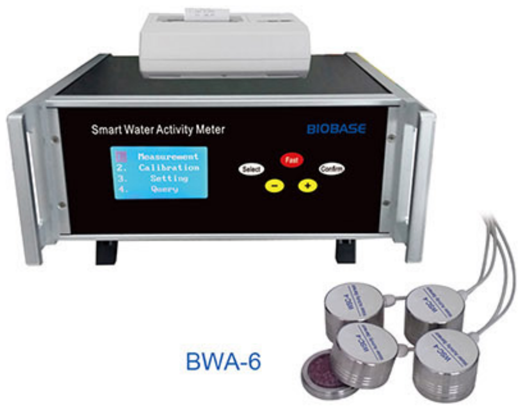
Water Activity Meter

Application:

Water activity meter, indicates the free water content when food is stable, measures the possibility of microbial proliferation. Food formulators use water activity to predict how much moisture migration will affect their product, so that to choose suitable package and storage method to reduce the usage of antiseptics.



BWA-3A



BWA-6

Features:

- ∗ The measured object is unlimited, liquid solids and powder etc
- ∗ Printer output as standard accessory
- ∗ Chemical resistant. （only for BWA-6）

Technical Parameters:

Model		BWA-3A	BWA-6
Working Temp.		0~50℃	-10℃~50℃
Working Humidity		0~95%RH	
Display		LCD display	
Measuring Range	Temperature	0~50℃	-10℃~50℃
	Water Activity	0~0.980	0~1.000
Measurement Accuracy	Temperature	±0.5℃	±0.5℃
	Water Activity	±0.015 (@25℃)	±0.012 (@23℃±5℃)
Measurement Time		5~40min	
Measurement Points		1	1~4
Temperature Coefficient		≤0.0005/℃	
Activity Repeatability		≤0.015	≤0.008
Print Function		a. Print at the end of the measurement b. Real-time print	
Correction Mode		Single-point calibration	Multi-point joint calibration, single-point calibration
Interface		\	RS232, USB
Standard Accessories		Micro printer, one sensor	Data cable, micro printer, one sensor
Consumption		15W	10W
Power Supply		AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm		550*430*240	740*430*240
Gross Weight(kg)		11.5	15.5

Cooking Oil Tester

Features:

- Waterproof design, class IP65.
- Using AA battery, 500 times measurement.
- Adopting food-grade materials, safety and eco-friendly for probes.
- 1Easy operation, field testing, suitable for a variety of testing conditions.
- Special design for probe in order to reduce residual oil and easy for clean.
- Fast measurement, getting result within 15 seconds with sound-light alarm.
- Adopting streamlined design, according to Ergonomics, easy handing and preventing it to fall apart.

Technical Parameters:

Model	COT-28A		
Tempe. Measure Range	0~200.0℃	Storage Temperature	-40~+70 ℃
Temp. Resolution	± 0.1℃	Display	LED display
Temperature Accuracy	± 1.0℃	Frame Material	ABS
TPM Measure Range	0~50%	Probe Material	Food-grade stainless steel
TPM Accuracy	± 1.5% (40.0~190.0 ℃)	Protection Grade	IP 65
TPM Resolution	± 0.1%	TPM Sensor	Capacitive sensor
Temperature Sensor	PTC Sensor	Weight (with the probe cases)	About 218g
TPM Response Time	<15S	Bluetooth	Yes
LED Status Alert	Green, Orange, Red	WiFi	Yes
Operating Temperature	0~+50 ℃	Auto-Calibrate	Yes
Battery Life Below 20℃	About 25 hours of continuous use time (the corresponding measuring 500 times)		
Packing Size(L*D*H)	420*160*85mm		
Gross Weight	1.1kg		

Grain Moisture Meter

Application:

It is used for fast and accurate measurement of moisture in the process of allotment, acquisition, storage, machining of packed grains.

TK100G/100GF

TK25G

TK100S

MS-G

Technical Parameters:

Model	TK100G/100GF	TK25G	TK100S	MS-G
Measuring Range	6~30%(professional)	6~30%(professional)	0~35%(general)	5~40%(professional)
Temp. Range of Measured Grain	-10~60℃			
Humidity Range	5~90%			
Resolution	0.1			
Accuracy	±0.5%			
Grains	6 types(For type 6G)	25 types	4 types	25 types
Grain Flour	11 groups (For type 6G11)	/	Flour and starch only	11 groups(standard)
Power Supply	4*Common AAA battery			
Package Size(W*D*H)	504*110*54mm			266*206*76mm
Gross Weight	0.7kg	0.7kg	0.7kg	0.8kg

Model	Grain & Powder List
TK100G	Wheat, Corn, soybean, rice paddy, rice, barley
TK100GF	Wheat flour, rice powder, corn flour, semolina, soybean meal, barley powder, coffee powder, sorghum flour, flaxseed meal, pea meal, soft wheat flour
TK25G	Wheat, corn, soybean, rice paddy, rice, barley, sorghum, buckwheat, peas, rapeseed, mustard seed, sunflower seed, beet seeds, coffee, coffee(green), cocoa beans, flaxseed, lentils, fruit with hard shell, rye grass seed, duck feather grass seed, clover(white seed), clover(black seed), canola, bean,
TK100S	Wheat, rice, corn, soybeans, wheat flour
MS-G	Wheat, corn, soybean, rice paddy, rice, barley, sorghum, buckwheat, peas, rapeseed, mustard seed, sunflower seed, beet seeds, coffee, coffee(green), cocoa beans, flaxseed, lentils, fruit with hard shell, rye grass seed, duck feather grass seed, clover(white seed), clover(black seed), canola, bean, wheat flour, rice powder, corn flour, semolina, soybean meal, barley powder, coffee powder, sorghum flour, flaxseed meal, pea meal, soft wheat flou

Viscometer

Digital Viscometer BDV-S and BDV-N Series

BDV-1S

BDV-9S

BDV-5S/8S

BDV-N Series

Features:

BDV-S series digital viscometer:

- ∗ Central control circuit: 16 bit MCU.
- ∗ Gearless driving, LCD display.
- ∗ Optional accessories: Printer(BDV-5S and BDV-8S) and RTD temperature probe(not including BDV-1S).

BDV-N series digital viscometer:

- ∗ Measurement is more larger than BDV-S series.
- ∗ Rotating speed is improved to non-polar shift.
- ∗ RTD temperature probe can timely monitor the temperature of the sample.
- ∗ Optional software: Data Collecting,Analysis and Plot Software.

Technical Parameters:

Model	BDV-1S	BDV-9S	BDV-5S	BDV-8S	BDV-1N	BDV-2N	BDV-3N	BDV-4N
Measured Range (mPa·s)	1~100,000	1~6,000,000	20~ 100,000	20~ 2,000,000	20~ 600,000	12~ 6,000,000	160~ 80,000,000	50~ 10,000,000
Rotation Speed(rpm)	6, 12, 30, 60	0.1, 0.3, 0.6, 1.5, 3, 6, 12, 30, 60	6, 12, 30, 60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60	1~60	0.1~99.9	0.1~99.9	0.1~200
Number of Spindle	4 types(L1~L4)				4 types(L1~L4)			4 types (21.27.28.29)
Measurement Accuracy	±5%(FS) (Newtonian Fluid)	±3%(FS) (Newtonian Fluid)	±1%(FS)(Newtonian Fluid)					
Repeatability	±0.5% (FS)(Newtonian Fluid)							
Power Supply	AC 100~240V, 50/60Hz							
Standard accessory	/	/	RS232 standard output interface		RTD temperature probe			
Optional accessory	/	RTD temperature probe	RTD temperature probe, Specially used printer		RS232 standard output interface,Specially used printer			
L0 Spindle is for Option Measured Range(mPa.s)	1~10	1~10	1~100	1~2000	1~600	0.6~6000	6~6000	3~6000
Package Size (W*D*H)	460*390*230mm		400*350*360mm					400*350 *550mm
Gross Weight	7.5kg		9kg					10.5kg

Digital Viscometer BDV Series

Features:

- ＊ Central control circuit: 16 bit MCU.
- ＊ RTD temperature probe can timely monitor the temperature of the sample.
- ＊ LCD can display all information.
- ＊ Optional software: DV Program Control Download Software & Data Collecting,Analysis and Plot Software.

Technical Parameters:

Series	BDV-1			BDV-2		
Model	BDV-1A	BDV-1B	BDV-1C	BDV-2A	BDV-2B	BDV-2C
Measured Range (mPa·s)	12~6M	80~40M	640~320M	6~6M	40~40M	320~320M
Rotation Speed(rpm)	0.1~99.9 non-polar shift			0.1~200 non-polar shift		
Number of Spindle	4 (L1~L4)	6 (R2~R7)	6 (R2~R7)	4 (L1~L4)	6 (R2~R7)	6 (R2~R7)
Measurement Accuracy	±1%(FS)（Newtonian Fluid）					
Repeatability	±0.5%(FS)（Newtonian Fluid）					
Power Supply	AC 100~240V, 50/60Hz					
Standard accessory	RS232 standard output interface,RTD temperature probe					
Optional accessory	Specially used printer					
L0 Spindle is for Option Measured Range (mPa·s)	0.6~6000	6~60000	50~500000	0.3~6000	3~60000	25~500000
R1 Spindle is for Option Measured Range (mPa·s)	/	20~100000	160~800000	/	10~100000	80~800000
Package Size(mm)	400*350*360	400*350*550	400*350*550	400*350*360	400*350*550	400*350*550
Gross Weight(kg)	9	10.5	10.5	9	10.5	10.5

Digital Viscometer BKU-1

Features:

- ＊ LCD display
- ＊ BKU-1 viscometer is specially applied to sample like paint, coating, etc.
- ＊ Central control circuit: 16 bit MCU.
- ＊ It can recyclingly show the units of KU, gm, and cP.

Technical Parameters:

Model	BKU-1
Measure Range	40~141KU 32~1099gm 27~5274cP
Measurement Accuracy	±1% (FS)(Newtonian Fluid)
Repeatability	±0.5%(FS)(Newtonian Fluid)
Rotation Speed	200rpm
Power Supply	AC 100~240V，50/60Hz
Package Size(mm)	400*350*360
Gross Weight(kg)	10

Note: cP is for reference, not for calibration.

Water Purifier

Laboratory Water Purifier

Features:

- ＊ Nano RO membrane filters tiny substances more efficiently.
- ＊ Fully automatic control, one-key boot, simple operation.
- ＊ With high pressure and low pressure protection, safer operation.
- ＊ With consumable replacement alarm.
- ＊ Compliance with national standard GB/T6682-2008 water requirements.
- ＊ LCD display, display water quality information.

Technical Parameters:

Model		SCSJ-II-20L	SCSJ-II-30L	SCSJ-II-40L
Water Output Type		RO water outlet*1 and DI water outlet*1		
Water Output Speed		20 L/H	30 L/H	40 L/H
Purifying Procedure		PF+AC+RO+DI		
Water Supply Requirement		When working, the inlet water pressure is 0.1-0.3Mpa, and the water quality meets the requirements of GB5749, 15 ~ 35°C		
Environmental Requirements		Temperature 15 ~ 35°C Relative Humidity ≤80%		
Purification System		10”PP filter*1, 10”active carbon filter*1 300GPD RO membrane*1 Deionization purification column*1		
DI Water Quality	Resistivity	10-18.25MΩ.cm		
	Conductivity	0.055-0.1μs/cm		
	Heavy metal	<0.1ppb		
	Particle	<1/ml		
	Bacteria	<0.1cfu/ml		
RO Water Quality	Ion rejection rate	96%~99%		
	Organic rejection rate	>99%		
	Particles and bacteria rejection rate	>99%		
Flow Rate		1750ml/min		
Consumption		113W		
Power Supply		AC220V±10%, 50Hz±5% (Standard); AC110V, 60Hz (Optional)		
Standard Configuration		Main body , 25Lwater tank, accessory pack		
Instrument Size(W*D*H)		403*325*650mm		
Package Size(W*D*H)	Instrument	460*420*1200mm		
	Accessory Box	670*400*260mm		
Gross Weight		40kg		

Laboratory Water Purifier

Features:

- ＊ Nano RO membrane filters tiny substances more efficiently.
- ＊ Fully automatic control, one-key boot, simple operation.
- ＊ With high pressure and low pressure protection, safer operation.
- ＊ With consumable replacement alarm.
- ＊ Compliance with national standard GB/T6682-2008 water requirements.
- ＊ LCD display, display water quality information.

Technical Parameters:

Model		SCSJ-II-60L	SCSJ-II-80L	SCSJ-II-100L
Water Output Type		RO water outlet*1 and DI water outlet*1	RO water outlet*1 and DI water outlet*2	
Water Output Speed		60 L/H	80 L/H	100 L/H
Purifying Procedure		PF+AC+RO+DI		
Water Supply Requirement		When working, the inlet water pressure is 0.1-0.3Mpa, and the water quality meets the requirements of GB5749, 15 ~ 35°C		
Environmental Requirements		Temperature 15 ~ 35°C Relative Humidity ≤80%		
Purification System		Precision filter*1; Deionization purification column*1 300GPD RO membrane*2 (SCSJ-II-60L,SCSJ-II-80L) 400GPD RO membrane*2 (SCSJ-II-100L)		
DI Water Quality	Resistivity	10-18.25MΩ.cm		
	Conductivity	0.055-0.1μs/cm		
	Heavy metal	<0.1ppb		
	Particle	<1/ml		
	Bacteria	<0.1cfu/ml		
RO Water Quality	Ion rejection rate	96%~99%		
	Organic rejection rate	>99%		
	Particles and bacteria rejection rate	>99%		
Flow Rate		2500ml/min		
Consumption		230W		
Power Supply		AC220V±10%, 50Hz±5% (Standard); AC110V, 60Hz (Optional)		
Standard Configuration		Main body , 50Lwater tank, accessory pack	Main body , 20Lwater tank (0.5 gallon pressure tank), accessory pack	
Instrument Size(W*D*H)		390*400*1000mm		
Package Size(W*D*H)	Instrument	490*480*1100mm		950*490*1100mm
	Tank	415*415*700mm		
	Accessory Box	680*400*230mm		675*395*230mm
Gross Weight		45kg		70kg

Laboratory Water Purifier

Features:

- ∗ Nano RO membrane filters tiny substances more efficiently.
- ∗ Fully automatic control, one-key boot, simple operation.
- ∗ With high pressure and low pressure protection, safer operation.
- ∗ With consumable replacement alarm.
- ∗ Compliance with national standard GB/T6682-2008 water requirements.
- ∗ LCD display, display water quality information.

Technical Parameters:

Model		SCSJ-II-120L	SCSJ-II-150L	SCSJ-II-200L
Water Output Type		RO water outlet*2 and DI water outlet*2		
Water Output Speed		120 L/H	150 L/H	200 L/H
Purifying Procedure		PF+AC+RO+DI		
Water Supply Requirement		When working, the inlet water pressure is 0.1-0.3Mpa, and the water quality meets the requirements of GB5749, 15 ~ 35°C		
Environmental Requirements		Temperature 15 ~ 35°C Relative Humidity ≤80%		
Purification System		20”PP filter*1, 20” granular active carbon filter*1 , 20" compressed activated carbon filter*1, 400GPD RO membrane *2, Deionization purification column*2		
DI Water Quality	Resistivity	10-18.25MΩ.cm		
	Conductivity	0.055-0.1μs/cm		
	Heavy metal	<0.1ppb		
	Particle	<1/ml		
	Bacteria	<0.1cfu/ml		
RO Water Quality	Ion rejection rate	96%~99%		
	Organic rejection rate	>99%		
	Particles and bacteria rejection rate	>99%		
Pressure Bucket		Built-in	External	External
Consumption		230W		
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)		
Standard Configuration		Main body , pressure bucket, accessory pack		
Instrument Size(W*D*H)		750*600*1200mm		
Package Size(W*D*H)	Instrument	770*620*1350mm		
	Pressure tank	/	390*390*775mm	
	Accessory	555*315*170mm		
Gross Weight		110kg	123kg	

Laboratory Water Purifier

BIOBASE
RO
DI
Save water pls

Features:

- ∗ Nano RO membrane filters tiny substances more efficiently.
- ∗ Fully automatic control, one-key boot, simple operation.
- ∗ With high pressure and low pressure protection, safer operation.
- ∗ With consumable replacement alarm.
- ∗ Compliance with national standard GB/T6682-2008 water requirements.

Technical Parameters:

Model		SCSJ-I-10L	SCSJ-I-15L
Water Output Type		RO water outlet*1 and DI water outlet*1	
Water Output Speed		10 L/H	15 L/H
Purifying Procedure		PF+AC+RO+DI	
Water Supply Requirement		When working, the inlet water pressure is 0.1-0.3Mpa, and the water quality meets the requirements of GB5749, 15 ~ 35°C	
Environmental Requirements		Temperature 15 ~ 35°C Relative Humidity ≤80%	
Purification System		10"PP filter*1, 10"active carbon filter*2 50GPD RO membrane *1 Deionization purification column*2	
DI water Quality	Resistivity	10-18.25MΩ.cm	
	Conductivity	0.055-0.1μs/cm	
	Heavy metal	<0.1ppb	
	Particle	<1/ml	
	Bacteria	<0.1cfu/ml	
RO water Quality	Ion rejection rate	96%~99%	
	Organic rejection rate	>99%	
	Particles and bacteria rejection rate	>99%	
Flow Rate		167ml/min	250ml/min
Consumption		46W	
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)	
Standard Configuration		Main body	
Instrument Size(W*D*H)		390*400*503mm	
Package Size(W*D*H)		500*520*650mm	
Gross Weight		27kg	

Water Purifier (Automatic RO/DI Water)

BIOBASE
18.2

Technical Parameters:

Model		SCSJ-III 15	SCSJ-III 30
Display		LCD	
Water Output Type		RO and DI water	
Water Output Speed		15L/H	30L/H
Purifying Procedure		PF+AC+RO+DI	
Water Supply Requirement		Tap water: TDS<200ppm, 5~45°C, 1.0~4.0Kgf/cm² (If inlet TDS>200ppm, extra pretreatment filter is recommended)	
Purification System	Pretreatment unit	PP filter *1, Special active carbon filter *2	5μm PP deep filter Special active carbon filter *2
	RO unit	100GPD RO membrane*1	200GPD RO membrane*1
	Subsequent unit	Deionization purification column (imported resin) *2	Deionization purification column (imported resin) *3
Pure Water Quality	Ion rejection rate	97%~99% (New RO membrane)	
	Organic rejection rate	>99%, when MW>200 Dalton	
	Particles and bacteria rejection rate	>99%	
	Resistivity	15~18.2MΩ·cm	
	Conductivity	0.055~0.067μs/cm	
Control System		Automatic electronic pressure sensor controlling, RO membrane auto flushing, Automatic stop when water supply shortage, Automatic stop when water tank full, Automatic cutting off water when pump stop, 24 hours non-stop work	
Flow Rate		2.0 L/min (when there is water in the water tank)	
Water Quality Monitor		TDS/conductivity test pen	
Consumption		72W	
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)	
Standard Configuration		Main body(include1 set of purification column),15Lwater tank, TDS/conductivity test pen,accessory pack	
External Size(W*D*H)		410*220*420mm	
Package Size(W*D*H)		600*490*580mm	
Gross Weight		35kg	

Water Purifier Medium Type (Automatic RO/DI Water)

Features:

- ＊ Large LCD display, animation mode, show all the running state and parameters.
- ＊ Automatic microcomputer control system, multi-menu operating,
- ＊ Alarm function: Water quality, no water, full water, consumables life ending. Automatic diagnosis.
- ＊ 3-way on-line sensor, detect the quality of feed water, RO water and DI water's quality timely.

Technical Parameters:

Model		SCSJ-V 45	SCSJ-V 63	SCSJ-V 94	SCSJ-V 125
Water Output Type		RO and DI water			
Water Output Speed		45L/H	63L/H	94L/H	125L/H
Purifying Procedure		PF+AC+RO+AC+DI+TF			
Water Supply Requirement		Tap water: TDS<200ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatment filter is recommended)			
Purifica--tion System	Pretreatment unit	20"PP filter*1, 20" granular active carbon filter*1 , 20" active carbon block filter*1			
	RO unit	300 GPD RO membrane*1	400 GPD RO membrane*1	600 GPD RO membrane*1	400 GPD RO membrane*2
	Subsequent unit	Organic matter purification column*1; 12L ultra-purified column (imported resin)*1; 0.2μm imported PES terminal filter*1			
DI Water Quality	Resistivity	10-18.2MΩ.cm			
	Conductivity	0.1-0.055μs/cm			
	Heavy metal	<0.1ppb			
	Bacteria	<0.01cfu/ml			
	Particle(>0.2μm)	<1/ml			
Flow Rate		3.0 L/min (when there is water in the water tank)			
RO Water Quality		TDS(Total dissolved solid) of RO water(ppm)<TDS of inlet water*5%			
Consumption		120W		240W	
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)			
Standard Configuration		Main body(include1 set of purification column), 2 built-in 15 liters tank, accessory pack			
External Size(W*D*H)		640*540*1110mm			
Package Size(W*D*H)		650*750*1280mm			
Gross Weight		90kg			

Water Purifier Medium Type (Automatic RO Water)

Features:

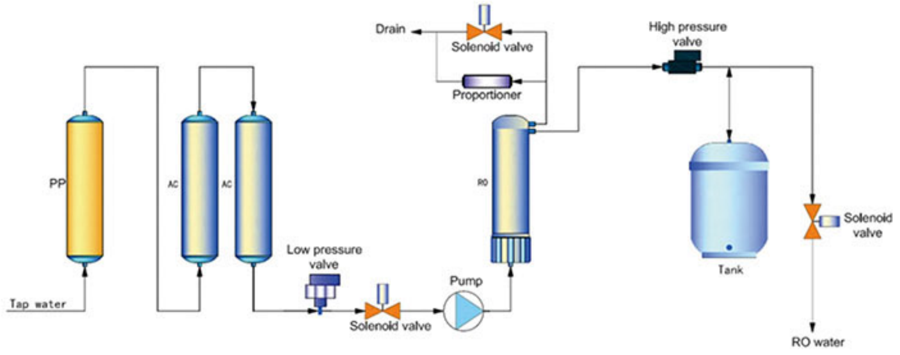
- ＊ Large LED display, show all the running state and parameters.
- ＊ RO membrane clean automatically. High/Low pressure protection.
- ＊ Alarm function: Water quality, no water, full water, consumables life ending. Automatic diagnosis.

Technical Parameters:

Model		SCSJ-IV 45	SCSJ-IV 63	SCSJ-IV 94	SCSJ-IV 125
Water Output Type		RO water			
Water Output Speed		45L/H	63L/H	94L/H	125L/H
Purifying Procedure		PF+AC+AC+RO			
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatment filter is recommended)			
Purification System	Pretreatment unit	20" PP filter*1, 20" granular active carbon filter*1 , 20" active carbon block filter*1			
	RO unit	300 GPD RO membrane*1	400 GPD RO membrane*1	600 GPD RO membrane*1	400 GPD RO membrane*2
Pure Water Quality	Ion rejection rate	97%~99% (New RO membrane)			
	Organic rejection rate	>99%, when MW>200 Dalton			
	Particles and bacteria	>99%			
	Rejection rate	<0.01cfu/ml (with optional 0.2μm PES terminal filter)			
	Bacteria	<1/ml (with optional 0.2μm PES terminal filter)			
	Particles(>0.2μm)	TDS meter, Online resistivity monitor(optional)			
Water Quality Monitor		120W		240W	
Consumption		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)			
Power Supply		Main body (Including 1 set of purification column), 2 built-in15L water tank,			
Standard Configuration		TDS/conductivity test pen, accessory pack			
External Size(W*D*H)		640*540*1110mm			
Package Size(W*D*H)		650*750*1280mm			
Gross Weight		90kg			

Water Purifier (Automatic RO Water)

Reverse Osmosis Water
Reverse Osmosis Water
Laboratory Water Purification System
BIOBASE



Technical Parameters:

Model		SCSJ-II 15	SCSJ-II 30
Water Output Type		RO water	
Water Output Speed		15L/H	30L/H
Purifying Procedure		PF+AC+RO+AC	
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if inlet TDS>200ppm, extra pretreatmentfilter is recommended)	
Purification System	Pretreatment unit	PP filter *1(SCSJ-II 15), PP cotton filter *1(SCSJ-II 30), Special active carbon filter *2	
	RO unit	100GPD RO membrane *1	200GPD RO membrane *1
Pure Water Quality	Ion rejection rate	97%~99% (New RO membrane)	
	Organic rejection rate	>99%, when MW>200 Dalton	
	Particles and bacteria rejection rate	>99%	
	Bacteria	<0.1cfu/ml (with optional 0.45+0.1μm PES terminal filter)	
	Particles(>0.2μm)	<1/ml (with optional 0.45+0.1μm PES terminal filter)	
Flow Rate		2.0L/min (with pressure tank)	
Water Quality Monitor		TDS/conductivity test pen	
Comsumption		72W	
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)	
Standard Configuration		Main body (Include 1 set of purification column), 15 liters tank, TDS/conductivity test pen,accessory pack	
External Size(W*D*H)		410*220*420mm	
Package Size(W*D*H)		600*490*580mm	
Gross Weight		35kg	

Water Purifier Medium Type (Automatic Ultra-pure Water)

Features:

- ＊ UV type with UV lamp, Double wavelength(185&254nm), sterilizer and reduce TOC, expand the usage range.
- ＊ UF type with UF filter, Eliminate the endotoxin efficiently.
- ＊ Other features same as Automatic RO/DI water purifier.

Technical Parameters:

Model		SCSJ-VI	SCSJ-VII	SCSJ-VIII	SCSJ-IX
		Basic	Eliminating endotoxin UF	Low TOC UV	Synthesizing UVF
Water Output Type		RO and ultra-pure water			
Water Output Speed		45/63/94/125 L/H			
Purifying Procedure		PF+AC+RO +AC+DI+TF	PF+AC+RO+AC +DI+UF+TF	PF+AC+RO+AC +UV+DI+TF	PF+AC+RO+AC +UV+DI+UF+TF
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatment filter is recommended)			
Purification System	Pretreatment Unit	20” PP filter*1, 20” granular active carbon filter*1 , 20” active carbon block filter*1			
	RO unit	300 GPD RO membrane*1 (for 45L) 400 GPD RO membrane*1 (for 63L) 600 GPD RO membrane*1 (for 94L) 400 GPD RO membrane*2 (for 125L)			
	Subsequent unit	Organic matter purification column*1 12L ultra-purified column (imported resin)*1 0.2μm imported PES terminal filter*1 Ultra Purification Column*2 MWCO5000D UF ultrafiltration module (SCSJ-VII and SCSJ-IX) Dual wavelength (185nm&254nm) UV lamp (SCSJ-VIII,SCSJ-IX)			
Ultrapure Water Quality	Resistivity(25°C)	18.2MΩ.cm			
	Heavy Metal Ion	<0.01ppb			
	TOC	<10ppb		<3ppb	
	Bacteria	<0.01cfu/ml			
	Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
	Particle(>0.2μm)	<1/ml			
	RNases	N/A	<1pg/ml	N/A	<1pg/ml
	DNases	N/A	<5pg/μl	N/A	<5pg/μl
ROWater Quality	Ion Rejection Rate	97%~99% (New RO membrane)			
	Organic Rejection Rate	>99%, when MW>200 Dalton			
	Pa rticles And Bacteria Rejection Rate	>99%			
Flow Rate		3.0 L/min (when there is water in the water tank)			
Power Supply		AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)			
Consumption		(45/63L/H):120W ; (94/125L/H):240W			
Standard Configuration		Main body (Include 1 set of purification column), 2 built-in15L tank, accessory pack			
External Size(W*D*H)		640*540*1110mm			
Package Size(W*D*H)		650*750*1280mm			
Gross Weight		90kg			

Water Purifier Consumables

Model Type	PP filter	5μm PP deep filter	20" PP filter	PP cotton filter	Active carbon filter	Granular active carbon filter	Active carbon block filter	12L Deionization purification column (imported resin)	Deionization purification column	12L ultra-purified column (imported resin)	Ultra-purified column (imported resin)	100/200 /300/400 /600 GPD RO membrane	Organic matter purification column	0.2μm imported PES terminal filter	MWCO 5000D UF ultrafiltration module	Dual wavelength (185nm & 254nm) UV lamp
Replacement term/set(months)	2-6	5-6	2-3	5-6	4-6	2-6	2-6	about 20000L pure water/set	about 1000L pure water/set	about 20000L pure water/set	about 1000L pure water/set	12-24	about 9000L pure water/set	/	/	about 9000 hours
SCSJ-II (15L/H)	1	/	/	/	2	/	/	/	/	/	/	100*1	/	/	/	/
SCSJ-II (30L/H)	/	/	/	1	2	/	/	/	/	/	/	200*1	/	/	/	/
SCSJ-III(15L/H)	1	/	/	/	2	/	/	/	2	/	/	100*1	/	/	/	/
SCSJ-III(30L/H)	/	1	/	/	2	/	/	/	3	/	/	200*1	/	/	/	/
SCSJ-IV(45L/H)	/	/	1	/	/	1	1	/	/	/	/	300*1	/	/	/	/
SCSJ-IV(63L/H)	/	/	1	/	/	1	1	/	/	/	/	400*1	/	/	/	/
SCSJ-IV(94L/H)	/	/	1	/	/	1	1	/	/	/	/	600*1	/	/	/	/
SCSJ-IV(125L/H)	/	/	1	/	/	1	1	/	/	/	/	400*2	/	/	/	/
SCSJ-V(45L/H)	/	/	1	/	/	1	1	1	/	/	/	300*1	1	1	/	/
SCSJ-V(63L/H)	/	/	1	/	/	1	1	1	/	/	/	400*1	1	1	/	/
SCSJ-V(94L/H)	/	/	1	/	/	1	1	1	/	/	/	600*1	1	1	/	/
SCSJ-V(125L/H)	/	/	1	/	/	1	1	1	/	/	/	400*2	1	1	/	/
SCSJ-VI(45L/H)	/	/	1	/	/	1	1	/	/	1	2	300*1	1	1	/	/
SCSJ-VI(63L/H)	/	/	1	/	/	1	1	/	/	1	2	400*1	1	1	/	/
SCSJ-VI(94L/H)	/	/	1	/	/	1	1	/	/	1	2	600*1	1	1	/	/
SCSJ-VI(125L/H)	/	/	1	/	/	1	1	/	/	1	2	400*2	1	1	/	/
SCSJ-VII(45L/H)	/	/	1	/	/	1	1	/	/	1	2	300*1	1	1	1	/
SCSJ-VII(63L/H)	/	/	1	/	/	1	1	/	/	1	2	400*1	1	1	1	/
SCSJ-VII(94L/H)	/	/	1	/	/	1	1	/	/	1	2	600*1	1	1	1	/
SCSJ-VII(125L/H)	/	/	1	/	/	1	1	/	/	1	2	400*2	1	1	1	/
SCSJ-VIII(45L/H)	/	/	1	/	/	1	1	/	/	1	2	300*1	1	1	/	1
SCSJ-VIII(63L/H)	/	/	1	/	/	1	1	/	/	1	2	400*1	1	1	/	1
SCSJ-VIII(94L/H)	/	/	1	/	/	1	1	/	/	1	2	600*1	1	1	/	1
SCSJ-VIII(125L/H)	/	/	1	/	/	1	1	/	/	1	2	400*2	1	1	/	1
SCSJ-IX(45L/H)	/	/	1	/	/	1	1	/	/	1	2	300*1	1	1	1	1
SCSJ-IX(63L/H)	/	/	1	/	/	1	1	/	/	1	2	400*1	1	1	1	1
SCSJ-IX(94L/H)	/	/	1	/	/	1	1	/	/	1	2	600*1	1	1	1	1
SCSJ-IX(125L/H)	/	/	1	/	/	1	1	/	/	1	2	400*2	1	1	1	1

Model Type	PP filter	T33 filter element	Active carbon filter	Granular active carbon filter	Precision filter	20" compressed activated carbon filter	Capsule filter	Deionization purification column	50/300 /400/4021 GPD RO membrane
Replacement term/set(months)	4-6	4-6	4-6	4-6	4-6	4-6	4-6	/	12
SCSJ-I-10L	10"*1	/	2	/	/	/	/	3000L*2	50*1
SCSJ-I-15L	10"*1	/	2	/	/	/	/	3000L*2	50*1
SCSJ-Ⅱ-20L	10"*1	/	1	/	/	/	/	5000L*1	300*1
SCSJ-Ⅱ-30L	10"*1	/	1	/	/	/	/	5000L*1	300*1
SCSJ-Ⅱ-40L	10"*1	/	1	/	/	/	/	5000L*1	300*1
SCSJ-Ⅱ-60L	/	/	/	/	1	/	/	8000L*1	300*2
SCSJ-Ⅱ-80L	/	/	/	/	1	/	/	8000L*1	300*2
SCSJ-Ⅱ-100L	/	/	/	/	1	/	/	8000L*1	400*2
SCSJ-Ⅱ-120L	20"*1	/	/	1	/	1	/	20000L*2	400*2
SCSJ-Ⅱ-150L	20"*1	/	/	1	/	1	/	20000L*2	400*2
SCSJ-Ⅱ-200L	20"*1	/	/	1	/	1	/	20000L*2	400*2
SCSJ-V-45L	20"*1	1	/	1	/	1	1	20000L*1	300*1

Water Distiller

Electric-heating Water Distiller

Features:

BIOBASE

- ＊ Stainless steel material, adopt stamping and welding technology.
- ＊ Corrosion and ageing resistance, easy to operate, safe and durable.

Technical Parameters:

Model	WD-5	WD-10	WD-20
Water Output	≥5L/H	≥10L/H	≥20L/H
Consumption	5KW	7.5KW	15KW
Power Supply	AC110/220V, 50/60Hz	380V, 50Hz	380V, 50Hz
External Size(Φ*H)	310*700mm	355*820mm	405*677mm
Package Size(W*D*H)	360*360*820mm	360*350*900mm	540*390*740mm
Gross Weight	7.5kg	8.5kg	11.5kg

Auto-control Electric-heating Water Distiller

Features:

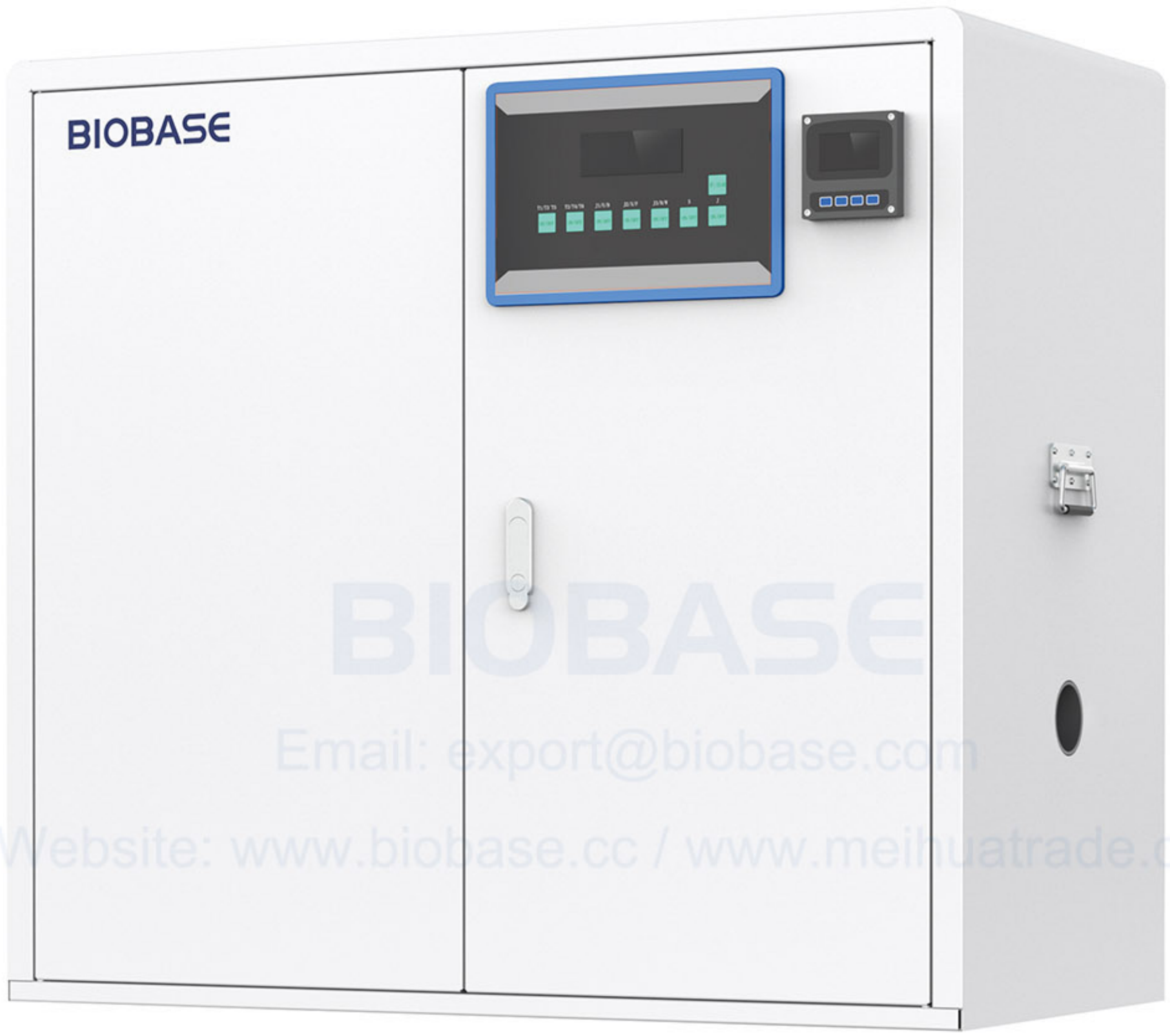
BIOBASE

- ＊ Stainless steel material, adopt stamping and welding technology.
- ＊ Water shortage and power-off alarm.
- ＊ Power, heating indicator and show water shortage.

Technical Parameters:

Model	WD-A5	WD-A10	WD-A20
Water Output	≥5L/H	≥10L/H	≥20L/H
Consumption	5KW	7.5KW	15KW
Power Supply	AC110/220V, 50/60Hz	380V, 50Hz	380V, 50Hz
External Size(Φ*H)	310*740mm	235*855mm	415*720mm
Package Size(W*D*H)	360*360*830mm	360*360*920mm	535*380*770mm
Gross Weight	8kg	9.5kg	13kg

Laboratory Wastewater Treatment System



Application:

Medical center, Physical and chemical inspection, PCR laboratory, Operating room, Beauty center

Features:

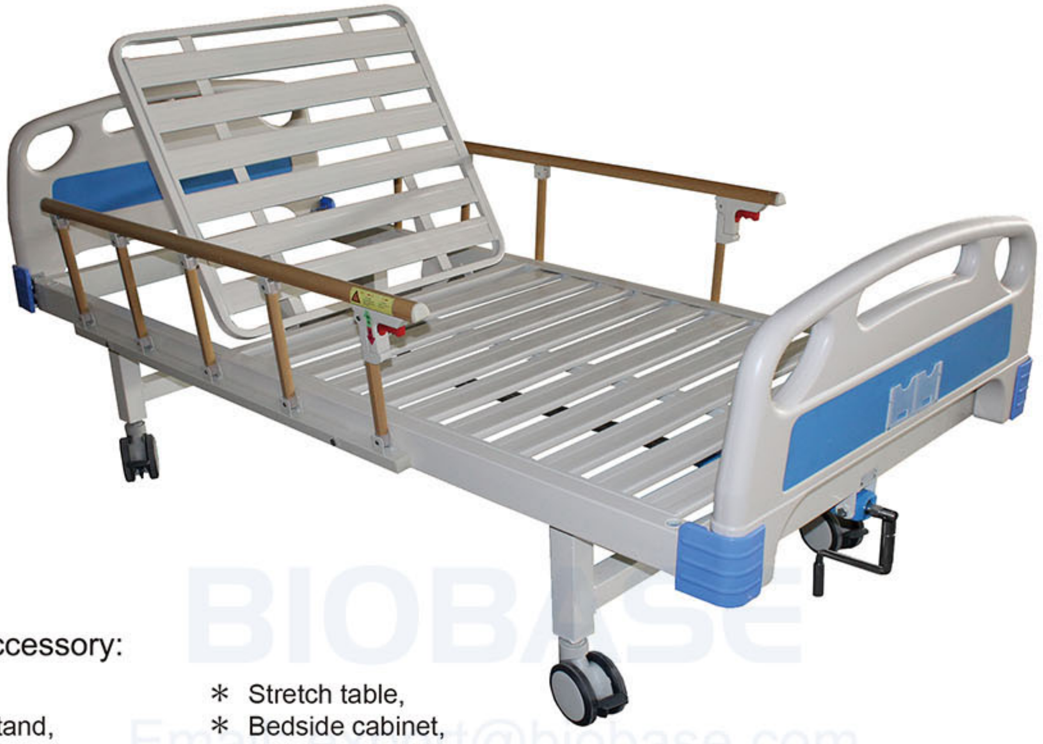
- ∗ Perfect processing technology
  Various kinds of pollutants in sewage are treated by chemical reaction, aeration oxidation, ozone disinfection, multi-medium filtration, ultraviolet lamp disinfection and other technologies.
- ∗ Intelligent monitoring
  The intelligent man-machine control system is adopted to monitor and control the change of sewage quality and the treatment process in real time, so as to realize all-weather automatic operation without special person on duty.
- ∗ High-efficient sterilization
  Compared with the traditional equipment, this system has the advantages of simple and convenient operation and strong sterilization ability.
- ∗ Accurate dosing
  Imported metering pump is used to accurately control the dosage, and equipped with liquid level control, drug shortage alarm and other devices.
- ∗ Easy operating
  Easy to operate, stable operation, long service life, low cost of operation and maintenance.

Technical Parameters:

Model	BK-SFS200
Treated Water Volume	200L/D (8 hours)
PH Measurement Range	0-14
PH Adjustment Value	8-9
Resolution	0.01pH
Accuracy	±0.02pH
Processing System	Neutralization precipitation + compound disinfection + UV sterilization + ozone oxidation + multi-stage filtration
Flush Mode	With positive and negative flushing methods
Antifreeze Device	With antifreeze heating function, the antifreeze function starts automatically when the degree is lower than 5°C.
Lack of Fluid Alarm	Multi-channel liquid level detection, with drug liquid shortage alarm function, automatic waste water treatment.
Packing Size(W*D*H)	Machine:1060*565*1000mm, Accessories: 555*315*165mm
Gross Weight	Machine: 101kg, Accessories: 2kg

Rehabilitation Assistance Devices

Slatted Single-Crank Hospital Bed



BIOBASE

Optional Accessory:

- ＊ Mattress,
- ＊ Infusion stand,
- ＊ Mobile dining table,
- ＊ Stretch table,
- ＊ Bedside cabinet,
- ＊ Case folder, etc.

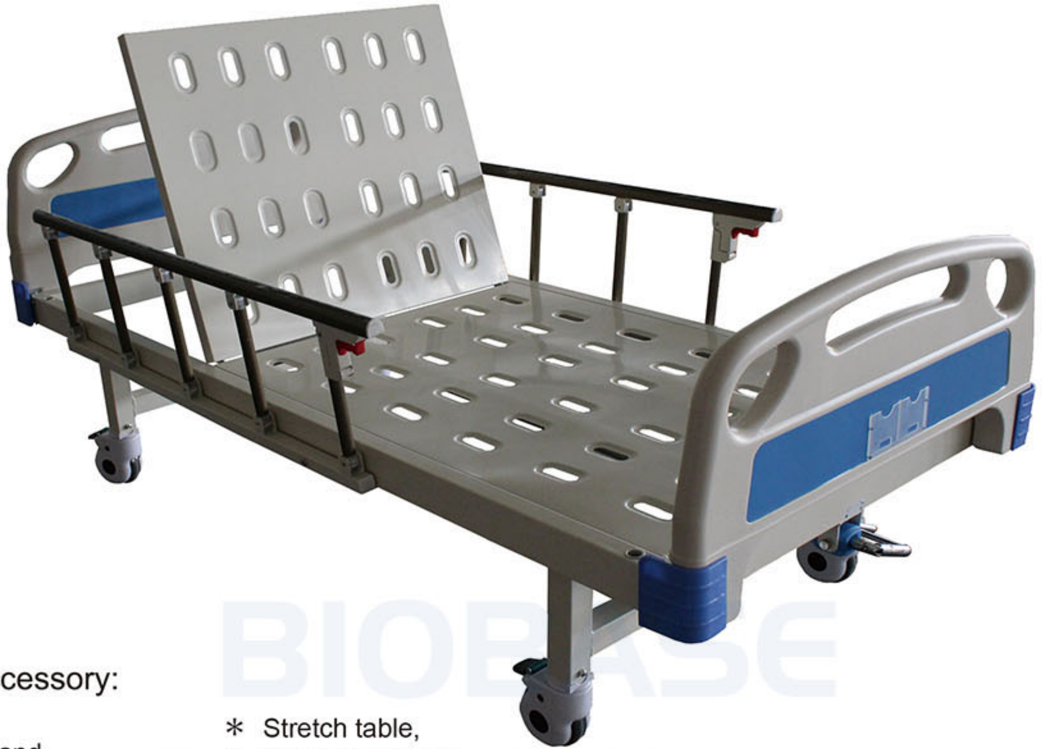
Features:

- ＊ The bed board is made of high-quality cold-rolled steel; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ＊ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ＊ Using 5'' silent casters, flexible rotation, high safety and stability, wear-resistance, no noise, with four braking device
- ＊ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
- ＊ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF103S
External Size (mm)	2120*960*560(±10)
Back Adjustable	0-70º
Packing Size (mm)	2000*1000*200
Gross Weight (kg)	55

Punching Single-Crank Hospital Bed



BIOBASE

Optional Accessory:

- ＊ Mattress,
- ＊ Infusion stand,
- ＊ Mobile dining table,
- ＊ Stretch table,
- ＊ Bedside cabinet,
- ＊ Case folder, etc.

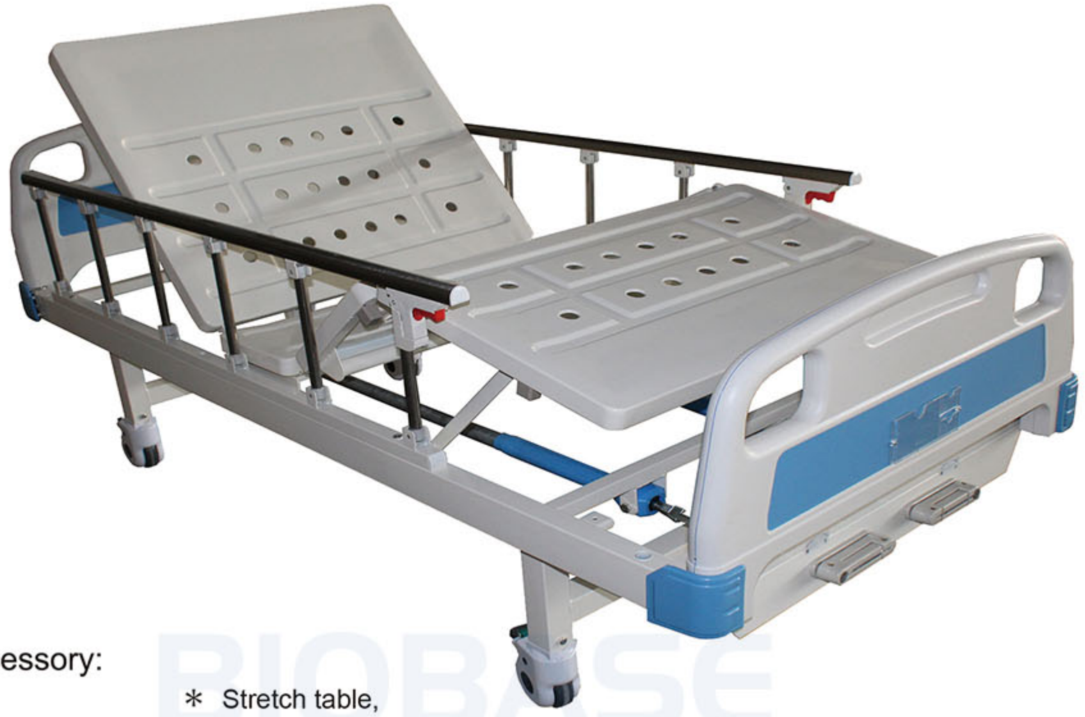
Features:

- ＊ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ＊ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ＊ Using 5'' silent casters, flexible rotation, high safety and stability, wear-resistance, no noise, with four braking device
- ＊ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
- ＊ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF104S
External Size (mm)	2120*910*500(±10)
Back Adjustable	0-70º
Packing Size (mm)	2000*1000*200
Gross Weight (kg)	60

Punching Double-Crank Hospital Bed MF201S



BIOBASE

Optional Accessory:

- ✻ Mattress,
- ✻ Infusion stand,
- ✻ Mobile dining table,
- ✻ Stretch table,
- ✻ Bedside cabinet,
- ✻ Case folder, etc.

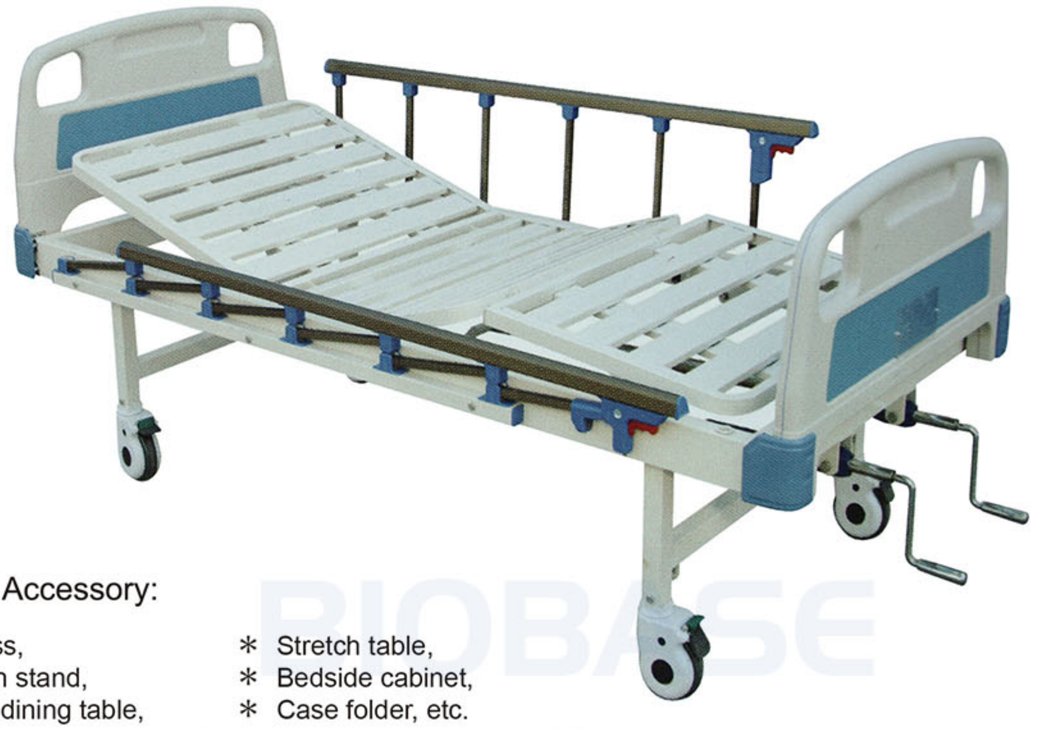
Features:

- ✻ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ✻ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ✻ Using 5'' silent casters, flexible rotation, high safety and stability, wear-resistance, no noise, with four braking device
- ✻ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
- ✻ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF201S
External Size (mm)	2120*910*560(±10)
Back Adjustable	0-70º
Leg Adjustable	0-30º
Packing Size (mm)	2000*1000*220
Gross Weight (kg)	70

Slatted Double-Crank Hospital Bed MF202S



BIOBASE

Optional Accessory:

- ✻ Mattress,
- ✻ Infusion stand,
- ✻ Mobile dining table,
- ✻ Stretch table,
- ✻ Bedside cabinet,
- ✻ Case folder, etc.

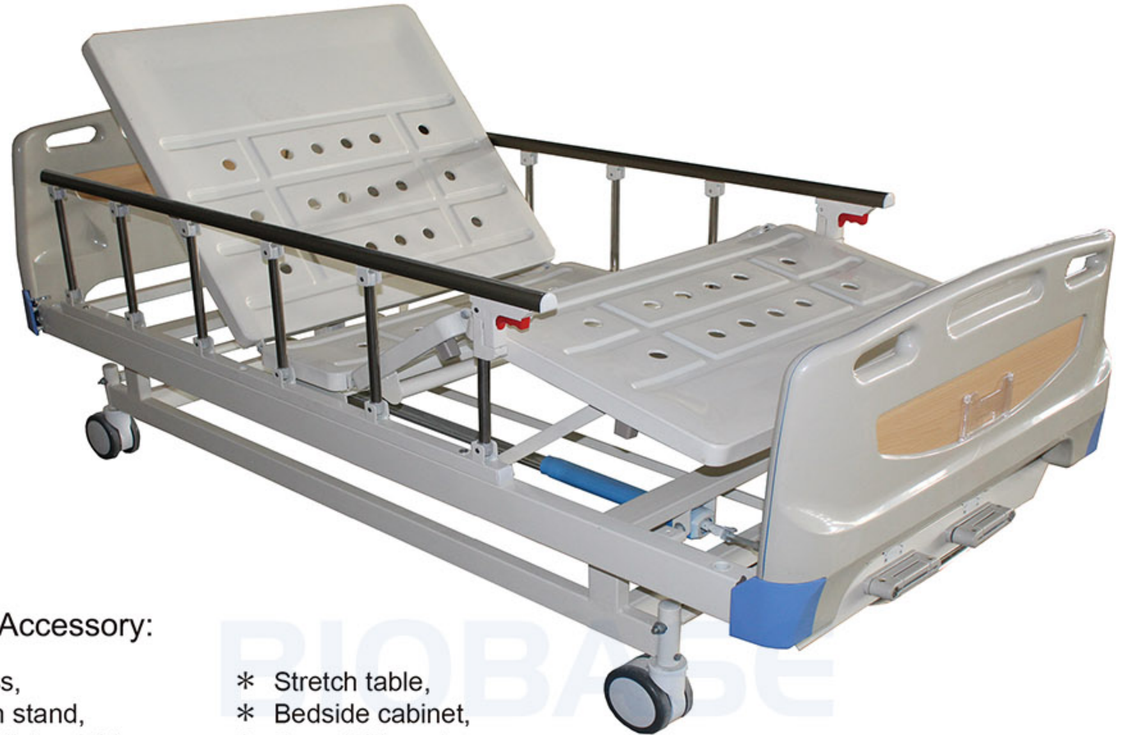
Features:

- ✻ The bed board is made of high-quality cold-rolled steel; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ✻ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ✻ Using 5'' silent casters, flexible rotation, high safety and stability, wear-resistance, no noise, with four braking device
- ✻ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
- ✻ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF202S
External Size (mm)	2120*960*500(±10)
Back Adjustable	0-70º
Leg Adjustable	0-30º
Packing Size (mm)	2000*1000*200
Gross Weight (kg)	65

Punching Double-Crank Hospital Bed MF203S



Optional Accessory:

∗ Mattress,	∗ Stretch table,
∗ Infusion stand,	∗ Bedside cabinet,
∗ Mobile dining table,	∗ Case folder, etc.

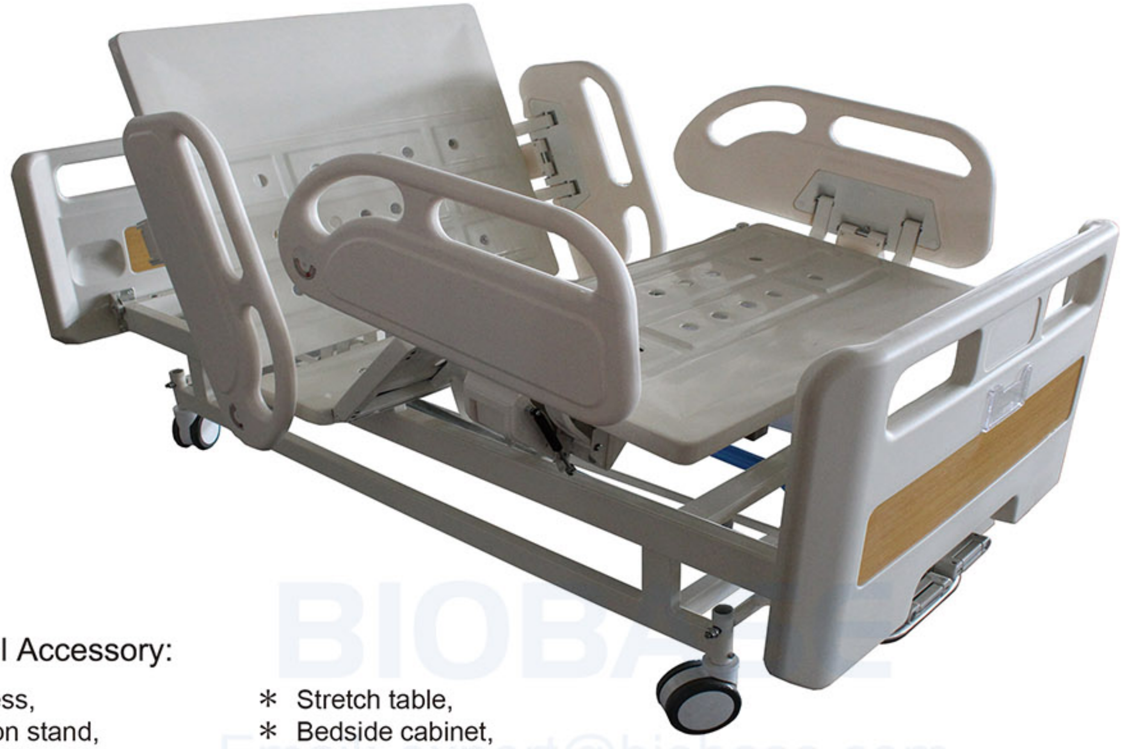
Features:

∗ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
∗ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
∗ Diameter 125mm luxury central control caster, flexible rotation, synchronous braking, convenient and stable locking.
∗ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
∗ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF203S
External Size (mm)	2120*910*560(±10)
Back Adjustable	0-70º
Leg Adjustable	0-30º
Packing Size (mm)	2100*1000*560
Gross Weight (kg)	80

Punching Double-Crank Hospital Bed MF204S



Optional Accessory:

∗ Mattress,	∗ Stretch table,
∗ Infusion stand,	∗ Bedside cabinet,
∗ Mobile dining table,	∗ Case folder, etc.

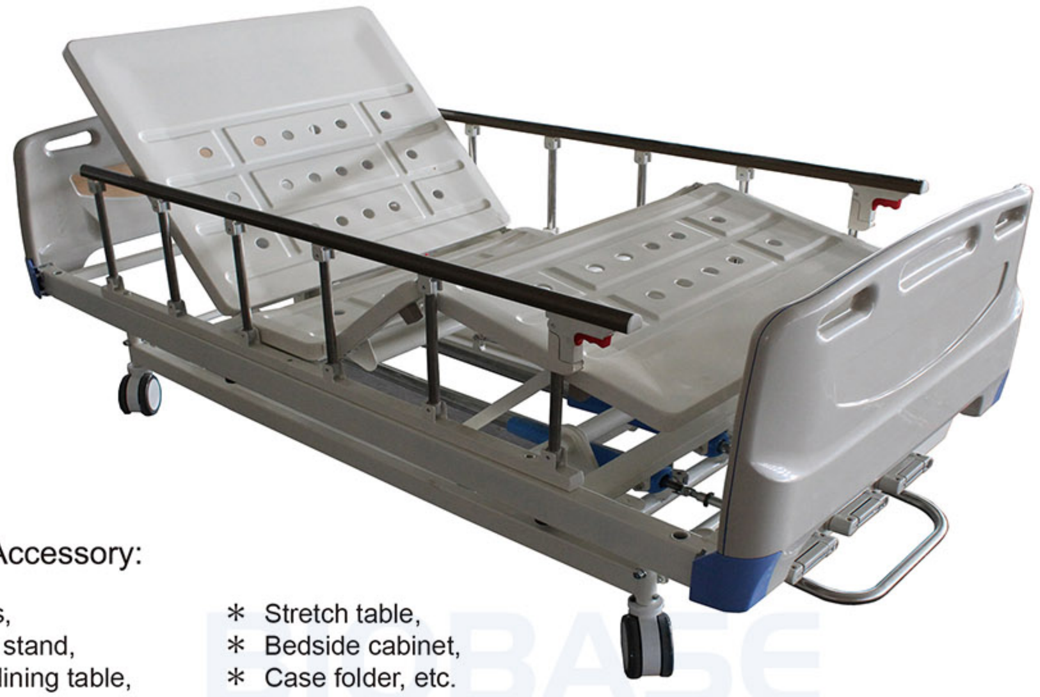
Features:

∗ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
∗ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
∗ Diameter 125mm luxury central control caster, flexible rotation, synchronous braking, convenient and stable locking.
∗ Four PP guardrails, dampers can control speed and noise when lifting, providing safety protection.
∗ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF204S
External Size (mm)	2180*1030*560(±10)
Back Adjustable	0-70º
Leg Adjustabl	0-30º
Packing Size (mm)	2100*1000*560
Gross Weight (kg)	90

Punching Three-Crank Hospital Bed MF303S



Optional Accessory:

∗ Mattress,	∗ Stretch table,
∗ Infusion stand,	∗ Bedside cabinet,
∗ Mobile dining table,	∗ Case folder, etc.

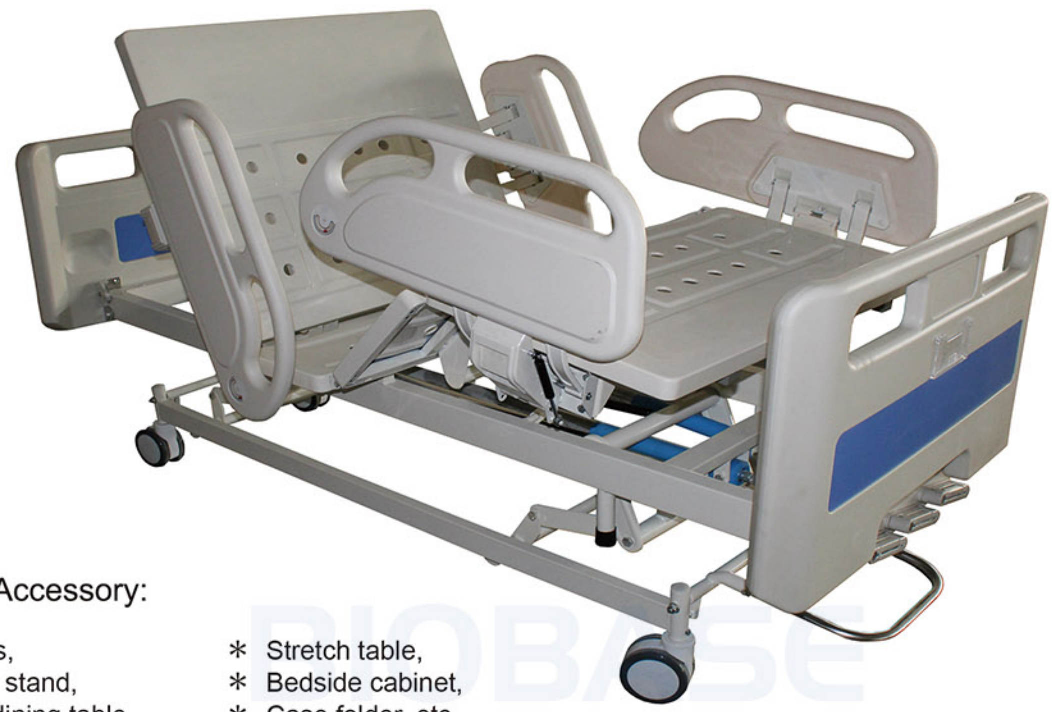
Features:

- ∗ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ∗ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ∗ Diameter 125mm luxury central control caster, flexible rotation, synchronous braking, convenient and stable locking.
- ∗ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients..
- ∗ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF303S
External Size (mm)	2120*910*560-740(±10)
Back Adjustable	0-70º
Leg Adjustable	0-30º
Overall Lifting Range (mm)	500-740
Packing Size (mm)	2100*1000*560
Gross Weight (kg)	100

Punching Three-Crank Hospital Bed MF304S



Optional Accessory:

∗ Mattress,	∗ Stretch table,
∗ Infusion stand,	∗ Bedside cabinet,
∗ Mobile dining table,	∗ Case folder, etc.

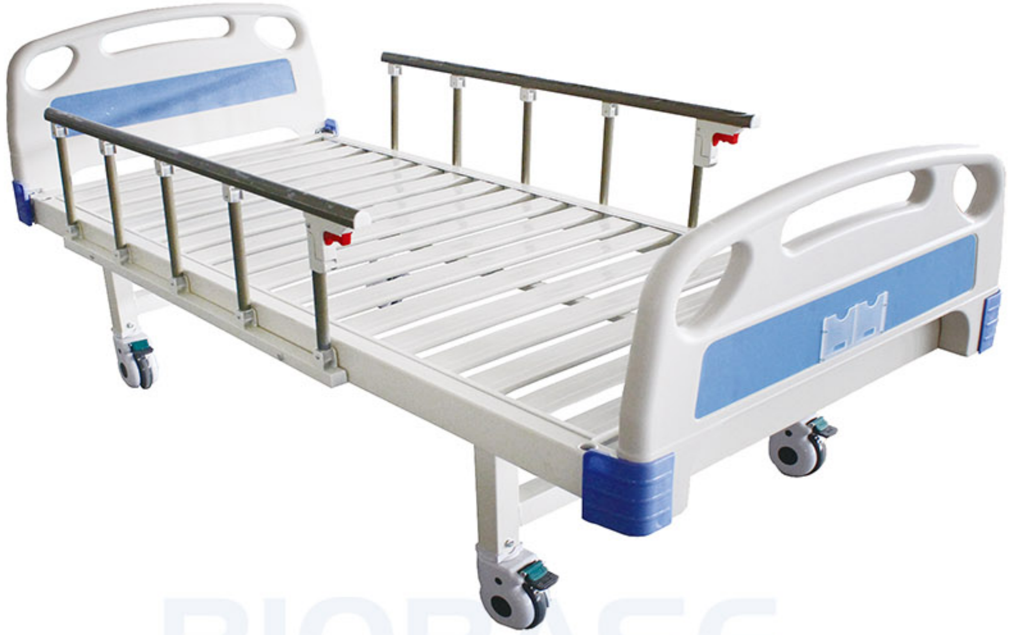
Features:

- ∗ The bed board is made of high-quality cold-rolled steel, punching formed; Electrostatic spray on the surface, anti-corrosion, easy to clean
- ∗ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card
- ∗ Diameter 125mm luxury central control caster, flexible rotation, synchronous braking, convenient and stable locking.
- ∗ Four PP guardrails, dampers can control speed and noise when lifting, providing safety protection.
- ∗ ABS concealed hand crank with a light and free structure and two-way limit protection

Technical Parameter:

Model	MF304S
External Size (mm)	2180*1030*560-740(±10)
Back Adjustable	0-70º
Leg Adjustable	0-30º
Overall Lifting Range (mm)	500-740
Packing Size (mm)	2100*1000*560
Gross Weight (kg)	120

Slatted Hospital Bed MF3S



Optional Accessory:

- ＊ Mattress,
- ＊ Infusion stand,
- ＊ Mobile dining table,
- ＊ Stretch table,
- ＊ Bedside cabinet,
- ＊ Case folder, etc.

Features:

- ＊ The bed board is made of high-quality cold-rolled steel; Electrostatic spray on the surface, anti-corrosion, easy to clean.
- ＊ The head and the end of the bed are made of high-quality ABS plastic,one-time formed; With beautiful appearance and lock-type installation,can insert bedside card.
- ＊ Using 5'' silent casters, flexible rotation, high safety and stability, wear-resistance, no noise, with four braking device.
- ＊ Aluminum alloy folding guardrails are used on both sides, which can be retracted freely and locked tightly to protect the safety of patients.

Technical Parameter:

Model	MF3S
External Size(mm)	2120*960*500(±10)
Packing Size(mm)	2000*1000*200
Gross Weight (kg)	45

Manual Wheelchair

SYIV100-MFL808B-12

SYIV100-MFL808B-16

SYIV100-MFL808B-20-B

SYIV100-MFL808B-20

BIOBASE

Introduction:

Wheelchair is an important mobile tool for home rehabilitation, turnover transportation, medical treatment, and outingactivities for the wounded, sick, and disabled. it not only satisfies the mobility of the physically disabled and people withmobility impairments, but more importantly, it is convenient for family members to move and take care of patients. Allow patients to use wheelchairs to exercise and participate in social activities.

Features:

The tires are non-pneumatic tires with strong shock resistance and cushioning ability.

- ∗ The frame adopts high-strength aluminum alloy structure, which is wear-resistant, corrosion-resistantand light in weight.
- ∗ The seat cushion is made of honeycomb breathable material, which has better moisture absorption and air permeabiliy,making the patient more comfortable.
- ∗ The product can be folded-the backrest can be folded, the seat cushion can be detached, and the foot pedal can be opened and closed, making the operation more light and flexible.
- ∗ Double brake and special seat belt design.

Technical Parameters:

Model	SYIV100-MFL808B-12	SYIV100-MFL808B-16	SYIV100-MFL808B-20-B	SYIV100-MFL808B-20
Rear Wheel Configuration	Integrated wheel			PU wheel
Instrument Size (W*D*H)	930*625*920mm			
Folded Width	320mm			
Seat Size (W*D*H)	450*370*445mm			
Seat Height	470mm			
Front Wheel Diameter	6 inches			
Rear Wheel Diameter	12 inches	16 inches	20 inches	
Loading Capacity	100kg			
Package Size(W*D*H)	700*300*710mm			
Net Weight	12kg			
Gross Weight	13kg			

Electric Wheelchair

MFN800L

MFN801L

Features:

BIOBASE

- ∗ Humanized intelligent controller, one-hand button operation, electromagnetic brake, 360° sensitive control.
- ∗ Manual/electric dual mode switch, sensitive control.
- ∗ Folding befo re and after, small volume, easy to follow. (MFN800L)
- ∗ One-step folding, designed for use in small Spaces such as home. (MFN801L)
- ∗ High elastic memory sponge, sedentary, easy to remove and clean.
- ∗ The frame is made of aluminum alloy, bearing 120KG without deformation.
- ∗ Bluetooth connection, control handle remote start speed regulation. (MFN801L)

Technical Parameters:

Model	MFN800L	MFN801L
Front Wheel Diameter	8 inches	6 inches
Rear Wheel Diameter	12 inches	
Seat Width	480mm	535mm
Seat Depth	405mm	
Seat Height	467mm	490mm
Instrument Size	1000*610*940mm	950*545*880mm
Max Speed	4.5km/h	
Height of Obstacle	≥25mm	
Climbing Ability	≥3°	
Loading Capacity	100kg	
Battery	Lithium batteries Standard:12A Optional:6A,20A	
Power Supply	AC100~240V, 50/60Hz	
Package Size(W*D*H)	695*450*910mm	
Net weight	28kg	24kg
Gross Weight	31kg	27kg

Walking Stick

MF6201L

MF6202L

MF6203L

MF6204L

MF6205L

MF6206L

MF6207L

MF6208L

MF6209L

MF6210L

MF6211L

MF6212L

MF6213L

MF6214L

MF6215L

MF6216L

MF6217L

MF6218L

MF6219L

MF6220L

Introduction:

The cane is a must-have for many elderly people when going out, and is suitable for people with strong upper limb muscle grip.

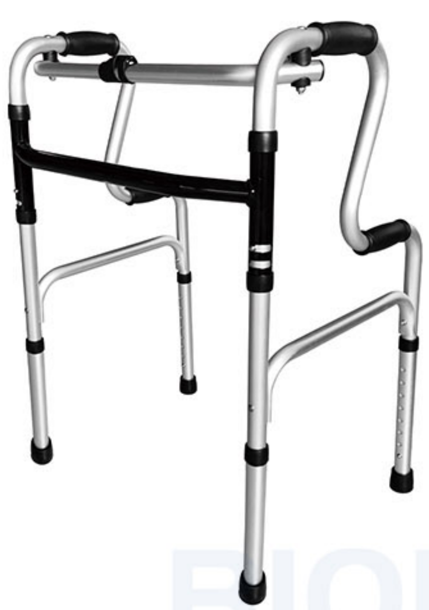
Features:

- ＊ Lightweight and easy to carry.
- ＊ A variety of structures to choose from.
- ＊ 10 steps height adjustable.
- ＊ The foot pad is made of wear-resistant, elastic, non-slip rubber material with a high surface friction coefficient, which is convenient and durable.

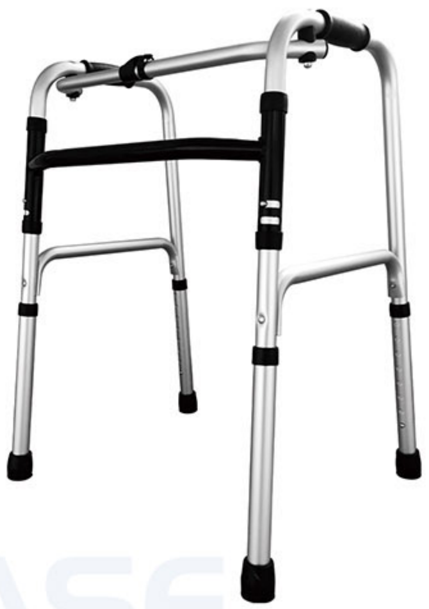
Technical Parameters:

Model	MF6201L	MF6202L	MF6203L	MF6204L	MF6205L
Height	71-94cm	76-98.5cm	73.5-96.5cm	72.5-95cm	70-93cm
Material	Aluminum alloy				
Net weight	0.34kg	0.37kg	0.38kg	0.4kg	0.48kg
Gross Weight	7.4kg	8kg	8.2kg	8.6kg	6.1kg
Feet	One foot				Four feet
Model	MF6206L	MF6207L	MF6208L	MF6209L	MF6210L
Height	76-98.5cm	72.5-95.5cm	72.5-95cm	69-91.5cm	75-97.5cm
Material	Aluminum alloy				
Net weight	0.54kg	0.54kg	0.52kg	0.46kg	0.49kg
Gross Weight	6.7kg	6.7kg	6.5kg	5.9kg	6.2kg
Feet	Four feet				
Model	MF6211L	MF6212L	MF6213L	MF6214L	MF6215L
Height	71.5-94.5cm	71-93.5cm	74-97cm	80-102.5cm	77-99.5cm
Material	Aluminum alloy				
Net weight	0.5kg	0.52kg	0.79kg	0.82kg	0.83kg
Gross Weight	6.3kg	6.5kg	9.2kg	9.5kg	9.6kg
Feet	Four feet				
Model	MF6216L	MF6217L	MF6218L	MF6219L	MF6220L
Height	76-99cm	64-87cm	70-92.5cm	67.5-90cm	66-89cm
Material	Aluminum alloy	Upper part: aluminum alloy; Lower part: Q235 steel			
Net weight	0.85kg	0.76kg	0.79kg	0.8kg	0.82kg
Gross Weight	9.8kg	8.9kg	9.2kg	9.3kg	9.5kg
Feet	Four feet				
Package Size (W*D*H)	670*170*300mm（MF6201L-MF6204L, 20pcs/box） 760*400*450mm（MF6205L-MF6220L, 10pcs/box）				

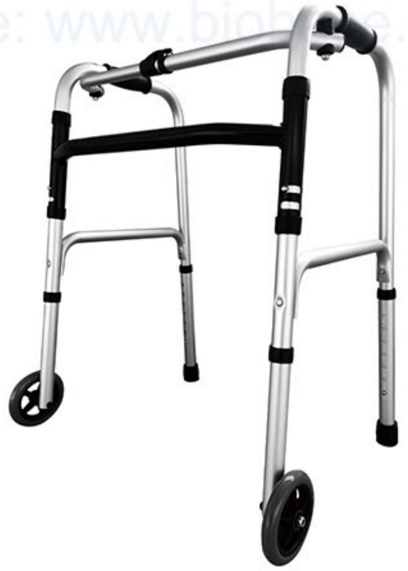
Walking Aid



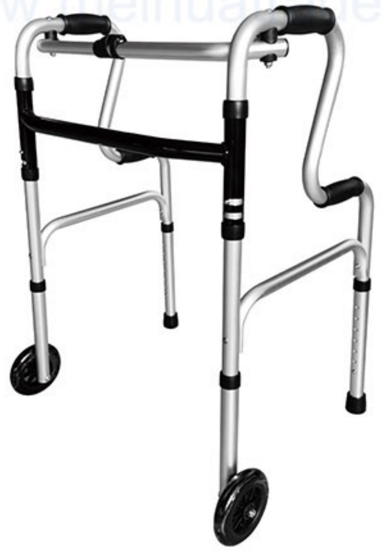
MF911L



MF911LA



MF913L



MF914L

Introduction:

The walking aid allows the elderly and patients with lower limbs inconvenience but not lost mobility to go out for a walk like normal people. The triangle-like design can better protect the users.

Features:

∗One-click folding, easy to carry.

∗Can switch freely between fixed and interactive sports modes.

∗Height adjustable.

∗Large load-bearing capacity, suitable for a wide range of people.

∗A variety of structures to choose from.

Technical Parameters:

Model	MF911LA	MF913L	MF911L	MF914L
Type	Frame walker	Wheeled walker	Stepped walker	
Material	Aluminum alloy			
Maximum Load	150kg			
Instrument Size	49*56*(70-87) cm	53*59*(72-87) cm	47*57*(76-93) cm	47*57*(77-94) cm
Optional Accessories	Sitting board, Toilet bowl, Carrying case			
Net weight	2.3kg	2.7kg	2.5kg	3.0kg
Gross Weight	3.2kg(1 unit) 20.2kg(8 units)	3.6kg(1 unit) 23.5kg(8 units)	3.4kg(1 unit) 21.8kg(8 units)	3.9kg(1 unit) 25.2kg(8 units)
Package Size(W*D*H)	580*520*750mm(8 sets/box) 580*140*750mm(1 set/box)			