Digital Melting Point Apparatus



Introduction:

The principle of the melting point apparatus is based on the phase transition process of matter, that is, the transition from a solid to a liquid state. When measuring with a melting point meter, first place the sample to be tested in the sample chamber and ensure that the sample is in a solid state. Then, heat is applied to the sample through a heating system, gradually increasing the temperature of the sample. At the same time, the observation system records and displays the temperature change curve of the sample. When the sample reaches its melting point, the solid material begins to melt into a liquid state. This process absorbs heat, causing a noticeable steep drop in the temperature curve. The melting point meter determines the melting point of a substance by monitoring this temperature change.

Features:

* PID&PWM controller.
* Touch screen.
* Equipped with clock function.
* The melting curve can be recorded automatically.
* It can calculate average value of initial and final melting points automatically.
* Can connect to a computer for data transferring.

Technical Parameters:

Model	BMP-2C	BMP-1C
Measuring Range	RT~360℃	RT~400℃
Resolution	0.1°C	
Linear heating-up Rate	0.1°C/min~20°C/min	
Temperature Accuracy	±0.4°C(≤200°C), ±0.7°C(>200°C)	
Repeatability	0.3°C(Heating rate: 1.0°C/min)	
Capillary Size	φ1.4mm(outside diameter), φ1.0mm(inside diameter), 90mm(length)	
Sample Loading Height	3mm	
Data Storage	1000 sets	
Thermal Printer	Standard	Optional
Interface	RS232, USB	
Power Supply	AC 100~240V, 50/60Hz	
External Size(W*D*H)	360*290*170mm	
Package Size(W*D*H)	576*428*306mm	469*432*315mm
Gross Weight	8.5kg	7.5kg

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 series, configuration list: anaerobic jar, 15/25 rack.



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	Package Size(W*D*H)	Gross Weight
BK-AJH015	1 stack of 6 dishes(φ9-10cm)	15R	245*215*295mm	2.0kg
	ø=130mm, h=150mm; 1.5 liters			
BK-AJH025	1 stack of 12 dishes(φ9-10cm)	25R	245*215*395mm	2.5kg
	ø=130mm, h=240mm; 2.5 liters			
BK-AJH035	1 stack of 18 dishes(φ9cm)	15/25R	245*215*495mm	3.0kg
	ø=130mm, h=280mm; 3.5 liters			
BK-AJH050	3 stacks of 6 dishes(φ9cm)	3/15R	370*370*340mm	5.6kg
	ø=240mm, h=120mm; 5 liters			
BK-AJH070	3 stacks of 8 dishes(φ9cm)	3/15R	370*370*370mm	6.0kg
	ø=240mm, h=160mm; 7 liters			
BK-AJH100	3 stacks of 12 dishes(φ9cm)	3/25R	370*370*470mm	7.0kg
	ø=240mm, h=230mm; 10 liters			

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

Model	Contents	Petri Dish Holder	Package Size(W*D*H)	Gross Weight
BK-AJG015	1 stack of 6 dishes(φ9-10cm)	15R	245*215*295mm	2.0kg
BK-AJG025	1 stack of 12 dishes(φ9-10cm)	25R	245*215*395mm	2.5kg
BK-AJG035	1 stack of 18 dishes(φ9cm)	15/25R	245*215*495mm	3.0kg
BK-AJG050	3 stacks of 6 dishes(φ9-10cm)	3/15R	370*370*340mm	5.6kg
BK-AJG070	3 stacks of 8 dishes(φ9cm)	3/15R	370*370*370mm	6.0kg
BK-AJG100	3 stacks of 12 dishes(φ9cm)	3/25R	370*370*470mm	7.0kg

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