

Spectrophotometer

Micro-Volume UV/VIS Spectrophotometer



Features:

- * Small amount
As low as 0.5µl sample volume
- * Fast
One step, one action
- * Accurate
No light loss during measurement
- * Easy to clean
No special materials required for wiping
- * Multi-function
Expandable functions

Technical Parameters:

Model	BK-CW500P
Pathlength	0.5mm
Sample Volume	0.5~2µL
Light Source	Long-life pulsed xenon lamp
Wavelength Range	190~1000nm
Wavelength Precision	±1nm
Wavelength Resolution	0.5nm
Absorbance Precision	0.001Abs
Absorbance Accuracy	0.3%
Absorbance Range	0.001~300Abs (Equivalent to 10nm)
Nucleic Acid Measurement Range	10~5000ng/µL dsDNA
Protein Measurement Range	0.05~300mg/ml, BSA
Display Mode	8-inch color capacitive touch screen
Data Output	USB-A*2; USB-B*1
Power Supply	AC220V, 50/60Hz; 110V, 50/60Hz(Optional, external transformer)
External Size(W*D*H)	210*285*210mm
Package Size(W*D*H)	300*400*300mm
Net Weight	5kg
Gross Weight	5.2kg

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.

Features:

- * Most samples don't need dilute.
- * Microscale sample test, minimum 0.5µl.
- * PC control, more accurate and flexible.
- * Ultramicro 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	
Ultramicro 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	



BK-CW1000

BK-CW2000