

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
Ultramicro 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

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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.
- * 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	