

## 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.

### 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	AC 100~240V, 50/60Hz	
External Size(W*D*H)	200*130*136mm	
Package Size(W*D*H)	310*310*310mm	
Net Weight	2kg	2.5kg
Gross Weight	5kg	



BK-CW1000

BK-CW2000

## UV-Vis Spectrophotometer



### Accessories:



Glass Cuvette for visible area determination  
Quartz Cuvette for ultraviolet light area determination



Deuterium Lamp:  
Ultraviolet light source



Tungsten Lamp:  
Visible light source

### Features:

- \* 10.1-inch full color touch screen display, which can directly display various scanning curves and graphs without the need for a computer.
- \* The standard USB drive and Bluetooth can realize wired and wireless storage, and one-click screenshots can export data pictures in real time.
- \* It adopts advanced A6 core high-performance processor, and optional mouse and keyboard.
- \* Nucleic acid and protein concentration determination function, rapid detection of nucleic acid extraction purity.
- \* Qualitative and quantitative analysis capabilities to test unknown substances and known sample concentrations.

### Technical Parameters:

Model	UV-1100
Display	10.1-inch LCD touch screen
Optical System	Single beam
Light Source	International famous deuterium lamp, tungsten lamp
Wavelength	190nm-1100nm
Stray Light	0.05% (220nm)
Spectral Bandwidth	2nm
Wavelength Accuracy	Full wavelength 0.3nm(656.1nm 0.1nm)
Wavelength Repeatability	0.1nm
Transmittance Accuracy	0.3%T
Photometric Mode	Transmittance, absorbance, concentration, energy
Interface	RS-232, USB
Standard Accessory	10mm glass cuvette*4, 10mm quartz cuvette*2
Optional Accessory	Printer
Consumption	160W
Power Supply	AC220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional)
External Size(W*D*H)	562*520*260mm
Package Size(W*D*H)	650*620*380mm
Net Weight	21kg
Gross Weight	28kg