

# Spectrophotometer

## Micro-Volume UV/VIS Spectrophotometer



**Features:**

- \* Ultra-micro detection, requiring as little as 0.5µL.
- \* No warm-up needed, using a long-life pulsed xenon lamp as the light source, ready to use immediately.
- \* No dilution required, capable of measuring sample concentration ranges over 100 times broader than conventional spectrophotometers.
- \* No consumables, resulting in low operating costs.
- \* Fast detection, with a single measurement taking less than 5 seconds and displaying results instantly.
- \* 7.0-inch touch screen, user-friendly interface, easy to operate.

**Technical Parameters:**

Model	BK-CW1000B
Path Length	1.0mm/0.2mm
Sample Volume	0.5~2µL
Light Source	Long-life pulsed xenon lamp
Detector	2048 pixel linear CCD array
Scanning Wavelength Range	190~850nm
Wavelength Accuracy	±1nm
Wavelength Resolution	2nm
Spectral Resolution	≤0.3nm(FWHM, Hg 253.7nm line)
Absorbance Accuracy	2%(Based on 0.76Abs @257nm)
Absorbance Resolution	0.002Abs(@1mm path length)
Absorbance Range	0.02~300Abs(Equivalent to 10mm path length)
Nucleic Acid Measurement Range	dsDNA 2~15000ng/µL
Protein Measurement Range	BSA 0.1~100mg/mL
Detection Time	<5s
Detection Platform	Quartz fiber + high-hardness aluminum
Operating System	Android system
Interface Output	USB, RJ45
Power Supply	AC 100~240V, 50/60Hz
External Size(W*D*H)	264*320*159mm
Package Size(W*D*H)	344*400*240mm
Net Weight	4kg
Gross Weight	6kg



**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