

# ULTRAVIOLET-VISIBLE SPECTROPHOTOMETER (ADVANCED TYPE)

## CODE UVS-B103

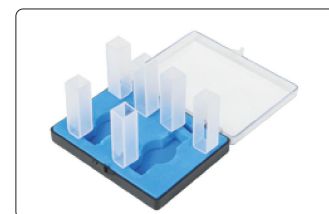
DATA  
OUTPUT



- Widely used in organic chemistry, biochemistry, pharmaceutical analysis, food testing, environmental testing, life sciences, etc.
- Photometric measurement, quantitative measurement, kinetics, spectrum scan, DNA/protein test, multi-wavelength test, etc.
- Suspended optical system with thickened aluminum base plate to reduce the effects of vibration
- The dual-layer design separates optical and electrical circuits completely, improving instrument resolution and stability
- Adoption of photoelectric signal detection device for lower SNR
- Ultra-large screen shows various scan curves and graphs directly

### SPECIFICATION

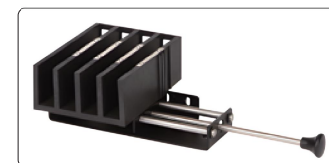
Optical system	double beam, grating 1200lines/mm
Wavelength range	190~1100nm
Spectral bandwidth	2.0nm
Wavelength accuracy	±0.3nm
Wavelength repeatability	≤0.1nm
Wavelength resolution	0.1nm
Stray light	≤0.1%T @420nm, ≤0.05%T @220nm/340nm
Noise	≤0.05%T (transmittance 0%), ≤0.1%T (transmittance 100%)
Baseline flatness	±0.001A/h
Photometric range	0~200%T, -3~3A, 0~9999C (0~9999F)
Photometric accuracy	±0.3%T
Photometric repeatability	≤0.1%T
Work mode	T, A, C, E
Light source	deuterium lamp, tungsten lamp
Display	7" TFT color screen
Data storage	2000 test data or 500 working curves
Data output	data export via U disk, supporting Excel, txt, and image
Power supply	AC 220V, 50Hz
Dimension (W×D×H)	450×580×210mm
Net weight	21kg



glass cuvette, quartz cuvette (included)



manual 4-position film holder (optional)



manual 4-cell holder (optional)



auto 8-cell holder (optional)

### STANDARD DELIVERY

Main unit	1pc
Glass cuvette (10mm)	1set
Quartz cuvette (10mm)	1set

### OPTIONAL ACCESSORY

Computer	UVS-B103-COMPUTER
Software	UVS-B103-SOFTWARE
Printer	UVS-B103-PRINTER
Manual 4-position film holder	UVS-B103-BM4
Manual 4-cell holder (100mm)	UVS-B103-BSM10
Auto 8-cell holder	UVS-B103-BSM08