

UV/VIS Spectrophotometer

Features:

- * With SiO₂ coating optical mirror, reducing the pollution from outside fully
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- * With GLP self-check function, check the wavelength accuracy and Photometry accuracy
- * PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test for PC Series



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Kinetics**
Used for time course scanning or reaction rate calculations
 $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most
- * **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish $A=K1 \cdot C + K0$, can search original data, graph curve, parameters settings
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.

Technical Parameters:

Model	BK-UV1800 BK-UV1800PC	BK-UV1600 BK-UV1600PC	BK-V1800 BK-V1800PC	BK-V1600 BK-V1600PC
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190~1100nm		320~1100nm	
Spectral Bandwidth	2nm	4nm	2nm	4nm
Wavelength Accuracy	±0.5nm			
Wavelength Repeatability	≤0.3nm			
Photometric Accuracy	±0.002A (0~0.5Abs), 0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)			
Stray Light	≤0.05% T @ 360nm; 220nm		≤0.05% T @ 360nm; 220nm	
Stability	±0.001A/h @ 500nm			
Baseline Flatness	±0.002A			
Noise	±0.0005A			
Display	480*272 65 thousand true color TFT LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200% T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	USB Print and data output, Connect PC			
Standard Accessories	10mm glass cuvette*4 units 10mm quartz cuvette*2 units		10mm glass uvette*4 units	
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		4-place Cell holder, Printer, Test tube holder, Deuterium lamp, Halogen lamp	
Power Supply	AC110/220V±10%, 60/50Hz			
Package Size(W*D*H)mm	620*500*370	620*500*370	620*500*370	620*500*370
Gross Weight(kg)	18	18	16.5	16.5