

Scanning UV/VIS Spectrophotometer

Features:

- * Socket-Type Deuterium lamp and Tungsten lamp.
- * SiO₂ coating optical mirror, reduces the influence from outside.
- * Imported & Environmental Deuterium lamp, preventing from Ozone inhalation.
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically.
- * High-class grating with wholly hermetic light path design, ensures the instrument has the super low stray light.
- * GLP self-check function: check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection.



Basic Functions:

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| <ul style="list-style-type: none"> * Photometry
Test Abs., Transmittance and Energy by fixed wavelength. * Quantitative
Linear fit and Linear fit through zero two modes <ol style="list-style-type: none"> 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. | <ul style="list-style-type: none"> * 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. * Scanning
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph. * Biology
DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret) |
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Technical Parameters:

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.1% T (0~100% T)		
Stray Light	≤0.04% T @ 360nm; 220nm		
Stability	±0.001A/h @ 500nm		
Baseline Flatness	±0.0015A		
Noise	±0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD (480*800)		
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		
Power Supply	110/220V±10%, 60/50Hz		
Packing Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		