Double Beam Scanning UV/VIS Spectrophotometer

Features:

* Environmental Deuterium lamp, preventing from Ozone inhalation.
* Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp.
* Socket-Type Deuterium lamp and Tungsten lamp.
* GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection.
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically.
* SiO_2 coating optical mirror, reduces the influence from outside.



Basic Functions:

* **Photometry**
  Test Abs., Transmittance and Energy by fixed wavelength.
* **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*C+K0, can search original data, graph curve, parameters setting.
  c. Can save 240 group curves, can test 240 data in each curve.
  d. Double wavelength, Triple wavelength test functions.
* **Kinetics**
  Used for time course scanning or reaction rate calculations△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 to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
* **Biology**
  6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

Model	BK-D560	BK-D580	BK-D590
Optical System	Double 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	≤0.03T@360nm; 220nm		
Stability	±0.0003A/h@500nm		
Baseline Flatness	±0.0005A		
Noise	±0.0002Abs		
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-A*2 Print and data output USB-B Connect PC		
Standard Accessories	Scanning software, 1cm standard single slot cuvette holder, 1cm glass cuvette*4, 1cm quartz cuvette*2		
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature abso nrption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories		
Power Supply	AC 85~265V, 50/60Hz		
Package Size(W*D*H)	740*570*440mm		
Gross Weight	25kg		

UV/VIS Spectrophotometer Accessories

 1cm standard single slot cuvette holder	 Long optical path cuvette holder	 Cuvette	 Micro cuvette
 Test tube type absorber rack	 Solid sample holder	 Deuterium lamp	 Tungsten lamp
 Quadruple cuvette holder	 Printer	 Four-slot water bath type constant temperature absorption pool	 Reflection accessories
 8 racks	 X-Y Adjustable Micro Absorption Pool	 Single bath type constant temperature absorption pool	 Program-controlled thermostatic absorption pool seat

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