BioLAB

PRODUCT CATALOG

DOUBLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BEQ-3601

CE ISO9001 CERTIFIED

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DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BEQ-3601

UV VIS SPECTROPHOTOMETER DOUBLE BEAM

Excellent optical system ensure low noise and Low stray light
High speed MCU, high precision AD, large storage capacity
LCD display (320*240 Dots), can display curve
High quality grating, detector and lamps
Data and Curve can be stored in real-time
Auto setting WL, auto Blank
Lamps can be turned on/off individually
Easy to change Pri-aligned lamps
Reinforced baseboard and bracket assures durability

SPECIFICATIONS

Model	BEQ-3601
Wavelength Range	190-1100nm
Spectral Bandwidth	1.8nm
Wavelength Accuracy	±0.5nm
Optical System	Double Beam, Blazed Holographic Grating (1200 lines/mm)
Wavelength Repeatability	≤0.2nm
Wavelength Setting	Auto, Resolution 0.1nm
Photometric Range	0-200%T, - 0.3 - 3A, 0-9999C
Photometric Accuracy	±0.002A (0-0.5A), ±0.004A (0.5-1A), ±0.3%T (0-100%T)
Photometric Repeatability	≤0.001A (0-0.5A), ≤0.002A (0.5-1A), ≤0.2%T (0-100%T)
Stray Light	≤0.05%T(220/360nm)
Scan Speed	High, Medium, Low. Max.2000nm/minute
Baseline Flatness	±0.002A
Stability	±0.001A/h (500nm,0A)
Noise	≤0.2%T/3min (250/500nm,0%T); ≤0.4%T/3min (250/500nm,100%T)
Sample Compartment	Accommodate 5-100mm Pathlength Cuvette
Detector	Silicon Photodiode
Lamps	Tungsten Lamp & Deuterium Lamp (Pre-aligned)
Display	Graphic LCD (320*240 Dots)
Keypad	30-key Alphanumeric Membrane Keypad
Output Port	USB Port & Parallel Port
Printer	Mini Printer (Optional); PC Printer (Optional)
PC Software	PC Software (Optional)
Power Requirements	AC 90-250V,50/60Hz
Dimension	545x468x245mm
Weight	18kg
Alt Name	UV VIS Spectrophotometer Double Beam

ITEMS INCLUDED

No	Name	Quantity
1	10mm glass cuvette	4pcs

2	10 mm Quartz Cuvette	2pcs
3	Power line	1pcs

ACCESSORIES FOR PURCHASE

No	Name	Quantity
1	Software card	1pcs
2	Software brochure	1pcs
3	Software dog	1pcs
4	USB cable	1pcs

APPLICATIONS

Education & Teaching Laboratories
Widely used in teaching laboratories for demonstrating Beer-Lambert Law, calibration curves, and basic qualitative and quantitative analysis of colored solutions.

Chemical & Industrial Process Control
Measuring absorbance-based color intensity and tracking reaction kinetics in dyes, coatings, inks, and electroplating solutions for routine industrial quality control.

Pharmaceutical & Biotech Quality Control
Used for quantitative analysis of APIs and finished products with visible absorbance, dissolution testing, and optional basic DNA/protein quantification and reaction kinetics monitoring via PC software.

Water & Environmental Analysis
Used for routine colorimetric determination of ammonia nitrogen, total phosphorus, Cr , nitrite, and volatile phenols in environmental water quality monitoring.

Food & Agricultural Quality Control
For colorimetric detection of nitrite, nitrate, phosphate, peroxide value, and pigments in food and agricultural products for quality control compliance.

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