UV-Vis Spectrophotometer, Double Beam

Brand **Master Science** | Unit **Pc**



Key Features of the Double Beam UV-Vis Spectrophotometer 1. Advanced Optical System: Utilizes a double beam optical system with a blazed holographic grating. 2. High Precision and Competitive Pricing: Offers exceptional test precision at a very competitive price point. 3. User-Friendly Interface: Features an 8-inch color touch-screen with a modern user interface, making it powerful yet easy to operate. 4.

KEY HIGHLIGHTS

- Advanced Optical System
- High Precision and Competitive Pricing
- User-Friendly Interface
- Versatile Testing Capabilities
- Robust Power Protection

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Key Features

Advanced Optical System
Utilizes a double beam optical system with a blazed holographic grating.

High Precision and Competitive Pricing
Offers exceptional test precision at a very competitive price point.

User-Friendly Interface
Features an 8-inch color touch-screen with a modern user interface, making it powerful yet easy to operate.

Versatile Testing Capabilities
Excels in both qualitative and quantitative testing, including Full-spectrum scanning Linear regression Detailed spectrum scanning Direct concentration reading Time-based kinetics determination Peak/Valley detection GOTO λ function Multi-wavelength measurement

Robust Power Protection
Equipped with a sophisticated power protection system and high internal memory capacity, allowing for fast initialization and storage of test results, scanned images, regression equations, and correction data.

Printer Connectivity
Can be connected to a dedicated printer to print test results and draw curves from spectral scanning, fixed wavelength time-based scanning, and linear regression.

PC Connectivity
Features a USB COM port for PC connection, enhancing data testing and spectrum scanning capabilities while expanding memory for additional test result storage.

Technical Specifications

PARAMETER	SPECIFICATION
PhotometryDouble Beam	
Monochromator TypeCzerny-Turner	
Focal Length160mm	
Grating1200 lines/mm	
DetectorSilicon Photocell	
Spectrum Bandwidth1.8nm	
Wavelength Setting8-inch color touch-screen	
Wavelength Range190-1100nm	
Wavelength Accuracy±0.5nm	
Wavelength Repeatability≤0.2nm	
Scanning SpeedFast-Medium-Slow	
Stray Light≤0.03%T (at 220nm NaI, 360nm NaNO2)	
Photometric Range0.0-200.0%T, -0.301-4.000A, 0.000-9999C	
Photometric Accuracy±0.3%T, ±0.002Abs (0-0.5A), ±0.004 Abs (0.5-1A)	
Photometric Repeatability≤0.15%T, 0.001 Abs (0-0.5A), 0.002 Abs (0.5-1A)	
Baseline≤±0.002A (200-1090nm)	
Noise100% (T) noise ≤0.15%(T), 0% (T) noise ≤0.1%(T)	
Drifting≤0.0009 Abs/30min (250nm and 500nm after 2h warm up)	
PowerAC220V±22V 50Hz±1Hz, 200W	
Packaging Size710mm × 590mm × 505mm, 0.21M³, 36kg	

Standard Accessories Included

- Operation manual (1)
- Glass cuvette (1cm, 4pcs)
- Quartz cuvette (1cm, 2pcs)
- Power cable (1)
- Fuse (2pcs)

Optional Accessories

- UV WIN8 Spectrum data processing software