Double Beam UV-Vis Spectrophotometer

Model **MSTQJV0SWISS** | Brand **Master Science** | Unit **Pc**



The Double Beam UV Visible Spectrophotometer is a crucial instrument for quality control, technical evaluation, and scientific research. It finds applications in susceptibility testing, medicine and health, biochemistry, environmental monitoring, commodity inspection, and petrochemical industries.

KEY HIGHLIGHTS

- Additional Information

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

support@themsci.com
www.themsci.com

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Key Features

NEW OPTICAL PLATFORM

- Offers outstanding optical properties and metering performance.
- Ensures low stray light and noise, achieving high accuracy and stability.

EASY OPERATION & RELIABLE PERFORMANCE

- Features a USB communication port for effortless data transfer.

PROVIDES AN INTUITIVE USER-MACHINE INTERFACE.

- Equipped with imported long-life deuterium lamps and OSRAM tungsten lamps for enhanced reliability.

UNIQUE LAMP INSTALLATION SYSTEM

- Automatically switches the light source to the optimal position.
- Facilitates easy operation, light source replacement, and maintenance.

ADVANCED DATA PROCESSING AND STORAGE

- Supports automatic scanning, multi-wavelength (1~3λ) measurements, kinetic measurements, curve fitting, and derivative spectra analysis.
- Allows for data printing, storage, and comprehensive analysis.

Additional Information
This spectrophotometer ensures precise measurements, user-friendly operation, and reliable performance, making it ideal for advanced analytical applications across industries.

Technical Specifications

PARAMETER	SPECIFICATION
PhotometryDouble beam	
Monochromator TypeCzerny-Turner	
Focal Length200mm	
Grating1600 lines/mm	
DetectorSilicon photocell	
Spectrum Bandwidth0.5nm, 1nm, 2nm, 4nm, 5nm	
Wavelength Range190–1100nm	
Wavelength Accuracy±0.3nm	
Wavelength Repeatability≤0.1nm	
Scanning SpeedFast, Medium, Slow	
Stray Light≤0.02%T (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), ±0.004Abs (0.5–1A)	
Photometric Repeatability≤0.15%T, 0.001Abs (0–0.5A), 0.002Abs (0.5–1A)	
Baseline≤±0.0008A (200–1090nm)	
Sound Emission100%T	≤0.1%T; 0%T: ≤0.02%T
Drifting≤0.004Abs/h (250nm and 500nm after 2h warm-up)	
COM PortUSB	
Light SourceHamamatsu D2 lamp, OSRAM tungsten lamp	
Power SupplyAC220V±22V, 50Hz±1Hz, 200W	
Net/Gross Weight35kg/45kg	
Product Dimensions585 × 505 × 365 mm	