UV-Vis Spectrophotometer, Double Beam

Model **MSTQJVX201SWISS** | Brand **Master Science** | Unit **Pc**



The Double Beam UV Visible Spectrophotometer is vital for quality control, technical evaluation, and scientific research. It is extensively applied in fields such as susceptibility testing, medicine and health, biochemistry, environmental monitoring, commodity inspection, and petrochemical analysis.

KEY HIGHLIGHTS

- New Optical Platform
- Easy Operation & Reliable Performance
- 7-inch Color Touch-Screen
- High-Quality Lamps
- Advanced Lamp Installation System

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

support@themsci.com
www.themsci.com

Scan to view online

Key Features

New Optical Platform
Delivers excellent optical properties with low stray light and noise, ensuring high metering accuracy and stability.

Easy Operation & Reliable Performance
Includes a USB communication port for seamless connectivity.

7-inch Color Touch-Screen
Provides an intuitive user interface and effortless operation.

High-Quality Lamps
Equipped with an imported long-life deuterium lamp and OSRAM tungsten lamp for optimal performance.

Advanced Lamp Installation System
Automatically adjusts the light source to the best position, making replacement and maintenance accurate and safe.

Sophisticated Data Processing
Capable of automatic scanning, multi-wavelength measurement, kinetic measurement, curve fitting, and derivative spectra analysis. Supports spectrum printing, storage, and data analysis.

Technical Specifications

PARAMETER	SPECIFICATION
PhotometryDouble beam	
Monochromator TypeCzerny-Turner	
Focal Length200mm	
Grating1600 lines/mm	
DetectorSilicon photocell	
Spectrum Bandwidth0.5nm, 1nm, 2nm, 4nm, 5nm	

PARAMETER	SPECIFICATION
Wavelength Range	190–1100nm
Wavelength Accuracy	±0.3nm
Wavelength Repeatability	≤0.1nm
Scanning Speed	Fast, Medium, Slow
Stray Light	≤0.02%T (at 220nm NaI, 360nm NaNO2)
Photometric Repeatability (Baseline)	≤±0.0008A (200–1090nm)
Sound Emission (100%T)	≤0.1%T
Sound Emission (0%T)	≤0.02%T
Sound Emission (Drifting)	≤0.004Abs/h (250nm and 500nm after 2 hours warm-up)
Sound Emission (COM Port)	USB
Sound Emission (Light Source)	Hamamatsu D2 lamp, OSRAM tungsten halogen lamp
0.0–200.0%T	
0.301–4.000A	
0.000–9999C	
±0.3%T	
±0.002Abs (0–0.5A)	
±0.004Abs (0.5–1A)	
≤0.15%T	
0.001Abs (0–0.5A)	
0.002Abs (0.5–1A)	

Standard Accessories Included

- AC 220V±22V, 50Hz±1Hz, 200W
- Weight: Net: 34kg, Gross: 42.5kg
- Product Dimensions (L×W×H): 584 × 504 × 360 mm
- Shipping Dimensions (L×W×H): 730 × 630 × 450 mm
- This spectrophotometer ensures precise measurements, robust performance, and advanced data processing capabilities, making it a reliable choice for diverse applications.