Double Beam UV-Vis Spectrophotometer

Double Beam UV Visible Spectrophotometer

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 Features

- **New Optical Platform**
  - Offers outstanding optical properties and metering performance.
  - Ensures low stray light and noise, achieving high accuracy and

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stability.

- **Easy Operation & Reliable Performance**
  - Features a **USB communication port** for effortless data transfer.
- **7-inch Color Touch-Screen**
  - 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 (1~3?) measurements, kinetic measurements, curve fitting, and derivative spectra analysis.
  - Allows for **data printing**, storage, and comprehensive analysis.

Specifications

Model: MSTQJV0SWISS
Photometry: Double beam
Monochromator Type: Czerny-Turner
Focal Length: 200mm
Grating: 1600 lines/mm
Detector: Silicon photocell
Spectrum Bandwidth: 0.5nm, 1nm, 2nm, 4nm, 5nm
Wavelength Range: 190–1100nm
Wavelength Accuracy: ±0.3nm
Wavelength Repeatability: ?0.1nm
Scanning Speed: Fast, Medium, Slow
Stray Light: ?0.02%T (220nm NaI, 360nm NaNO2)
Photometric Range: 0.0–200.0%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)

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Baseline: ?±0.0008A (200–1090nm)
Sound Emission: 100%T: ?0.1%T; 0%T: ?0.02%T
Drifting: ?0.004Abs/h (250nm and 500nm after 2h warm-up)
COM Port: USB
Light Source: Hamamatsu D2 lamp, OSRAM tungsten lamp
Power Supply: AC220V±22V, 50Hz±1Hz, 200W
Net/Gross Weight: 35kg/45kg
Product Dimensions: 585 × 505 × 365 mm

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

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