

Double Beam UV-Vis Spectrophotometer



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: $\pm 0.3\text{nm}$

Wavelength Repeatability: $\pm 0.1\text{nm}$

Scanning Speed: Fast, Medium, Slow

Stray Light: $\pm 0.02\%T$ (220nm NaI, 360nm NaNO₂)

Photometric Range: 0.0–200.0%T, -0.301–4.000A, 0.000–9999C

Photometric Accuracy: $\pm 0.3\%T$, $\pm 0.002\text{Abs}$ (0–0.5A), $\pm 0.004\text{Abs}$ (0.5–1A)

Photometric Repeatability: $\pm 0.15\%T$, 0.001Abs (0–0.5A), 0.002Abs (0.5–1A)

Baseline: $\pm 0.0008A$ (200–1090nm)

Sound Emission: 100%T: $\pm 0.1\%T$; 0%T: $\pm 0.02\%T$

Drifting: $\pm 0.004Abs/h$ (250nm and 500nm after 2h warm-up)

COM Port: USB

Light Source: Hamamatsu D2 lamp, OSRAM tungsten lamp

Power Supply: AC220V $\pm 22V$, 50Hz $\pm 1Hz$, 200W

Net/Gross Weight: 35kg/45kg

Product Dimensions: 585 × 505 × 365 mm