



Double Beam UV VIS Spectrophotometer TRDUV-601

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Description

Double Beam UV VIS Spectrophotometer TRDUV-601 is a new optical platform with excellent metering accuracy and stability. With a wavelength range of 190 to 1100nm and a spectrum bandwidth of 2 nm, it is equipped with advanced hardware and software design. It has an 8-inch color touch screen and a user-friendly interface. It is simple to use. It has a photometric range of 0.0 to 200.0 percent T, -0.301 to 4.000A, 0.000 to 9999C, and a photometric accuracy of 0.3 percent T, 0.002Abs (0 to 0.5A), and 0.004Abs (0 to 0.5A) (0.5 to 1A).

Features:

- New optical platform with excellent optical properties, metering performance, low stray light and noise, high meter reading precision, and reliability for the host system
- One-of-a-kind deuterium and tungsten lamp configuration method that enables the light source to automatically switch to the best position
- Makes it easier for users to operate, replace, and maintain the instrument conveniently, precisely, and securely
- Advanced hardware and software design, allowing the instrument to perform functions
- Automatic scanning of the measured spectrum and multi-wavelength measurement will provide excellent spectroscopic computation and storage capabilities, 13? kinetic measurement, curve fitting, derivative spectra, printing and storage of spectra, and data analysis
- The 8-color touch screen with a good user-machine interface is simple to use
- USB data transmission port

Specifications :

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| Baseline Drift | ± 0.0004 Abs / h |
| Baseline Flatness | ? $\pm 0.0008A(200$ to 1090 nm) |
| Com Port | USB |
| Detector | Silicon Photocell |
| Grating | 1600 lines/mm |
| Light Source Switching Wavelength | 340 nm |
| Light Source | Hamamatsu D2 lamp, Osram halogen tungsten lamp. |
| Monochromatic Type | Czerny-Turner |
| Noise | 100%(T) noise ? 0.1% (T), 0% (T) noise ? 0.02% (T) |
| Packing Size | 740 mm×630 mm×450 mm |
| Photometric Range | 0.0 to 200.0% T -0.301 to 4.000 A 0.000 to 9999 C |
| Photometric Repeatability | ? 0.15% T 0.001Abs (0 to 0.5A) 0.002Abs (0.5 to 1A) |
| Photometric Accuracy | $\pm 0.3\%$ T ± 0.002 Abs (0 to 0.5A) ± 0.004 Abs (0.5 to 1A) |
| Power | AC220v \pm 22v, 50Hz \pm 1Hz, 200W |
| Spectrum Bandwidth | 2 nm |
| Stray Light | ? 0.02% (measured by NaI at 220 nm) (measured at NaNO ₂ at 360 nm) |
| Wavelength Accuracy | ± 0.3 nm |
| Wavelength Range | 190 to 1100 nm |
| Wavelength Repeatability | ? 0.1 nm |
| Wavelength Scanning Speed | Fast, medium, and slow |
| Weight | 35 Kg, 0.21 m ³ |



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