



Double Beam UV VIS Spectrophotometer TRDUV-601

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Overview

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 :

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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