



Double Beam UV VIS Spectrophotometer TRDUV-604

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Description

Double Beam UV VIS Spectrophotometer TRDUV-604 is a double-beam optical system with blazed holographic gratings. It has a sophisticated power protection system, a wavelength range of 190 to 1100 nm, a bandwidth of 2 nm, and an accuracy of 0.3 nm. It performs admirably in qualitative testing with a photometric display range of 0.0–200.0 % T, -0.301 to 4.000 A, 0.000 to 9999 C, and an accuracy of 0.3 % T (0 to 100 % T), 0.002A (0 to 0.5A), and 0.004A, (0.5A to 1A). It comes with a USB interface.

Features:

The blazed hologram gratings are used in the dual-beam UV VIS Spectrophotometer

Designed with an 8-inch color touch screen, advanced user interface, powerful functions, and simple operation

The equipment performs well in qualitative and quantitative testing due to its powerful functions, such as

Examine the entire spectrum

Linear regression analysis

Extensive frequency searching

Direct reading with concentration

Persistence of time-based kinetics

Measurement of multiple wavelengths

A sophisticated power protection system is built into the equipment

It has a large internal memory and can hold test results, image data, regression analysis, and correction data. As a result, when turned on, it performs a quick initialization

Connected with printer, which can print results or draw curves from spectral scanning, fixed wavelength time-based scanning, and linear regression

? The device can be connected to a PC via a USB, which not only improves performance in data testing and spectrum scanning but also expands the memory to save more testing results

Specifications :

Band Width	2 nm
Baseline Flatness	±0.002A(200 to 1090 nm)
Detector	Import Silicon Photodiode
Dimensions(W×D×H)	74×63×45 Cm
Drifting	±0.0009 Abs/30 min (250 nm and 500 nm after 2h warm-up)
Focal length	160 mm
Grating	1200 lines/mm
Monochromatic type	Czerny turner
Photometric Accuracy	±0.3% T(0 to 100%T), ±0.002A(0 to 0.5A), ±0.004A(0.5A to 1A)
Photometric Display Range	0.0 to 200 .0% T, -0.301 to 4.000 A, 0.000 to 9999 C
Photometric Mode	T,A,C,E
Photometric Repeatability	0.15% T(0 to 100%T), ±0.001A(0 to 0.5A) / ±0.002A(0.5A to 1A)
Power Requirement	AC220V±22 50Hz±1Hz,200W
Scanning speed	Fast-medium-slow
Stability	0.0005A/h@500 nm
Stray Light	±0.03% ? (220nm NaI, 360nm NaNO ₂)
Wavelength Accuracy	±0.3 nm
Wavelength Range	190 to 1100nm
Wavelength Repeatability	±0.01 nm
Weight	35 Kg



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