Double Beam UV VIS Spectrophotometer TRDUV-604

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Overview

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 repression
- ? 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 NaNO2)
Wavelength Accuracy	±0.3 nm
Wavelength Range	190 to 1100nm
Wavelength Repeatability	?0.01 nm
Weight	35 Kg

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