



## **Double Beam UV VIS Spectrophotometer TRDUV-603**

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## Description

Double Beam UV VIS Spectrophotometer TRDUV-603 is a small device that measures multiple wavelengths with a bandwidth of 1.8 nm and a wavelength range of 190 to 1100 nm. Blazed holographic gratings with a photometric accuracy of 0.3 % T (0 to 100 % T), 0.002A (0 to 0.5A), 0.004A (0.5A to 1A). Has an 8-inch touchscreen for ease of operating and parameter observing, and it has a Photometric Display Range of 0.0 to 200.0 % T, -0.301 to 4.000 A, 0.000 to 9999 C. It performs admirably in both qualitative and quantitative testing.

## Features:

- 8-inch touchscreen display with a dual-beam optical system
- Examine the entire spectrum
- Linear regression analysis
- The innovative user interface, powerful functions, and simple operation
- Direct reading with concentration
- Persistence of time-based kinetics
- Detecting Peaks and Valleys
- It shows great performance in qualitative and quantitative analysis
- Measurement of multiple wavelengths
- Extensive frequency band scanning
- The zero and full scales are automatically adjusted
- A USB interface is included

## Specifications :

<b>Band Width</b>	1.8 nm
<b>Baseline Flatness</b>	±0.002A(200 to1090 nm)
<b>Detector</b>	Import Silicon Photodiode
<b>Dimensions(W×D×H)</b>	74×63×45 Cm
<b>Drifting</b>	±0.0009 Abs/30 min
<b>Focal length</b>	160 mm
<b>Grating</b>	1200 lines/mm
<b>Monochromatic type</b>	Czerny turner
<b>Noise</b>	100 % (T)±0.15 % (T); 0 % (T)±0.1 % (T)
<b>Photometric Accuracy</b>	±0.3% T(0 to 100%T) / ±0.002A(0 to 0.5A) / ±0.004A(0.5A to1A)
<b>Photometric Display Range</b>	0.0 to 200 .0% T , -0.301 to 4.000 A , 0.000 to 9999 C
<b>Photometric Mode</b>	T,A,C,E
<b>Photometric Repeatability</b>	0.15% T(0 to 100%T) / ±0.001A(0 to 0.5A) / ±0.002A(0.5A to 1A)
<b>Power Requirement</b>	AC 220 V±22 50 Hz±1 Hz,200 W
<b>Scanning speed</b>	Fast-medium-slow
<b>Stability</b>	0.0005A/h500 nm
<b>Stray Light</b>	±0.03% ? (220nm NaI, 360 nm NaNO <sub>2</sub> )
<b>Wavelength Accuracy</b>	±0.3 nm
<b>Wavelength Range</b>	190 to 1100 nm
<b>Wavelength Repeatability</b>	±0.01 nm
<b>Weight</b>	35 Kg



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