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## **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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