



## Single Beam UV VIS Spectrophotometer TRSUV-607

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## Description

Single Beam UV VIS Spectrophotometer TRSUV-607 is a small device with a 7-inch multi-color touch screen. It has an automatic wavelength range of 325 to 1100 nm as well as a bandwidth of 4 nm. Having patented technology that allows for simple and effective human-computer interaction with a clear display of test data It has a photometric range of 0.0 to 200.0 % T, -0.301 to 4.000A, and 0.000 to 9999 C with an accuracy of  $\pm 0.5\%$  T. It includes a sample compartment for 5 to 50 mm cuvettes. Delivered with a wavelength scanning Speed.

## Features:

- 7-inch multi-color touch screen and patented technology for simple and effective human-computer interaction with clear test data display
- A built-in thermal printer for printing test results and facilitating the creation and storage of data reports
- A USB communication port and UV professional data processing software enables data processing and mapping functions
- The storage of large amounts of data files, and help customers with a second development
- Sample compartment for 5 to 50mm cuvettes
- Automatic wavelength selection, which is both quick and accurate
- Scanning kinetic time scanning, automatic wavelength, linear regression, direct concentration readout, peak detection, regular printing, and so on
- Power shutdown protection measures that are advanced to memorize detector data and regression
- To achieve fast initialization, the equation and instrument correction parameters must be known ahead of time
- Lifelong safety for tungsten and deuterium lamps

## Specifications :

<b>Baseline Drift</b>	$\pm 0.002$ Abs / 30 mins ( 500nm after preheat warm up for 2 hours )
<b>Baseline Flatness</b>	? $\pm 0.003$ A(335 to 1090 nm)
<b>Detector</b>	Silicon Photocell
<b>Focal Length</b>	160 mm
<b>Grating</b>	1200 lines/mm
<b>Monochromatic Type</b>	Czerny-Turner
<b>Noise</b>	100%(T) noise ? 0.5% (T), 0% (T) noise ? 0.2% (T)
<b>Packing Size</b>	630 mm×610 mm×500 mm
<b>Photometric Accuracy</b>	$\pm 0.3\%$ T, $\pm 0.002$ Abs (0 to 0.5 A) <hr/> $\pm 0.004$ Abs (0.5 to 1 A)
<b>Photometric Range</b>	0.0 to 200.0 % T <hr/> -0.301 to 4.000 A <hr/> 0.000 to 9999 C
<b>Photometric Repeatability</b>	? 0.15% T, 0.001Abs (0 to 0.5 A) <hr/> 0.002Abs (0.5 to 1 A)
<b>Photometry</b>	Single Beam
<b>Power</b>	AC220 V $\pm$ 22 V, 50Hz $\pm$ 1Hz, 100 W
<b>Spectrum Bandwidth</b>	4 nm
<b>Stray Light</b>	? 0.1% T(measured at NaNO <sub>2</sub> at 360 nm)
<b>Wavelength Accuracy</b>	$\pm 1$ nm
<b>Wavelength Range</b>	325 to 1100 nm
<b>Wavelength Repeatability</b>	? 0.5 nm
<b>Wavelength Scanning Speed</b>	Fast, medium, slow
<b>Weight</b>	0.16m <sup>3</sup> , 25 Kg

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