



## Single Beam UV VIS Spectrophotometer TRSUV-604

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## Description

Single Beam UV VIS Spectrophotometer TRSUV-604 is a versatile device with blazed holographic gratings and an 8-inch multi-color touch-screen that allows for the setting and viewing of parameters with such a wavelength range of 325 to 1100 nm and then a frequency band bandwidth of 2 nm. The automated 8-position cuvette holder makes the operation mode easier. It has a photometric accuracy of  $\pm 0.5\%$  and a range of 0.0 to 200.0 % T, -0.301 to 4.000A, and 0.000 to 9999 C. It performs admirably in both qualitative and quantitative testing and has a stray light of  $\leq 0.05\%$ .

## Features:

- > 8-inch multi-color touch-screen, advanced user interface, powerful functions, and simple operation
- > It uses a split-beam survey optical system as well as a blazed holographic display
- > Scanning the entire spectrum
- > Linear regression analysis
- > Extensive frequency band scanning
- > Persistence of time-based kinetics
- > Measurement of multiple wavelengths
- > The zero and full scales are automatically adjusted. A USB port is included
- > Gratings they have exceptional test precision and very competitive pricing
- > The automated 8-position cuvette holder makes operation easier in each measurement mode
- > With its powerful functions, the equipment performs admirably in both qualitative and quantitative testing

## Specifications :

|                                  |   |
|----------------------------------|---|
| <b>Baseline Drift</b>            | ± 0.0009 Abs / h ( 500 nm after preheat warm up for 2 hours ) |
| <b>Baseline Flatness</b>         | -   |
| <b>COM Port</b>                  | USB   |
| <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 ? 0.2% (T), 0% (T) noise ? 0.1% (T)             |
| <b>Packing Size</b>              | 740 mm×630 mm×450 mm  |
| <b>Photometric Accuracy</b>      | ± 0.5 % T   |
| <b>Photometric Range</b>         | 0.0 to 200.0 % T -0.301 to 4.000 A 0.000 to 9999 C            |
| <b>Photometric Repeatability</b> | ? 0.2 % T   |
| <b>Photometry</b>                | Split Beam  |
| <b>Power</b>                     | AC 220 V± 22 V, 50 Hz± 1 Hz, 120 W                            |
| <b>Spectrum Bandwidth</b>        | 2 nm  |
| <b>Stray Light</b>               | ? 0.05 % (measured at NaNO <sub>2</sub> at 360 nm)            |
| <b>Wavelength Accuracy</b>       | ± 0.5 nm  |
| <b>Wavelength Range</b>          | 325 to 1100 nm  |
| <b>Wavelength Repeatability</b>  | ? 0.2 nm  |
| <b>Wavelength Scanning Speed</b> | -   |
| <b>Weight</b>                    | 0.21m <sup>3</sup> , 35kg                                     |



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