



## Visible Spectrophotometer TRVS-601

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## Description

Visible Spectrophotometer TRVS-601 is a compact benchtop device. The holographic blazed grating is monochromatic, with high wavelength accuracy, and low stray light. The wavelength ranges from 325 to 1000 nm with an accuracy of 2 nm and a spectrum bandwidth of 2 nm is measured using a microcomputer. It has a 7-inch multi-color touch-screen to view and set parameters. Its photometric value ranges from 0.0 to 100.0 % T, 0 to 1.999A, and 0 to 1999 C, with a  $\pm 0.5$  % T accuracy.

## Features:

- The monochrome holographic discing diffraction has the advantages of high wavelength accuracy, good monochromaticity, and low stray light
- The intensity testing method now includes the parameter estimation and coefficient methods
- Touchscreen 7-inch multi-color display with a good human-computer interface
- Equipped with a microcomputer measurement system with high T-A alteration accuracy, involuntary adjustment of 0% T and 100% T, concentration factor setting, and direct reading of the concentration
- The T/A switchover is precise and automatic
- Quantification reading was taken with high accuracy, reproducibility, and stability
- The zero and full scales are automatically adjusted
- There is no need for a particle to protect the photoelectric sensor with automatic light gate technology
- This has a USB connection and huge storage capabilities, allowing it to store 30 concentration curves
- Sample compartment for vials ranging in size from 5 to 50mm
- Functions for direct concentration reading and concentration factor setting
- An RS232 port is provided

## Specifications :

<b>Cuvette Holder Size</b>	10 mm
<b>Detector</b>	Silicon Photocell
<b>Drift</b>	± 0.5% T/3 min
<b>Focal Length</b>	160 mm
<b>Grating</b>	1200 lines/mm
<b>Monochromatic Type</b>	Littrow
<b>Noise</b>	100%(T) noise ? 0.3% (T), 0% (T) noise ? 0.2% (T)
<b>Packing Size</b>	580×460×340 mm
<b>Photometric Accuracy</b>	± 0.5% T
<b>Photometric Range</b>	0.0 to 100.0% T, 0 to 1.999A, 0 to 1999C
<b>Photometric Repeatability</b>	? 0.2% T
<b>Photometry</b>	Single beam
<b>Power</b>	AC220v±22v,50Hz± 1Hz, 80W
<b>Spectrum Bandwidth</b>	2 nm
<b>Stray Light</b>	? 0.1% ( at 360 nm NaNO <sub>2</sub> )
<b>Wavelength Accuracy</b>	± 2 nm
<b>Wavelength Range</b>	325 to1000 nm
<b>Wavelength Setting</b>	Manual Turn Knob
<b>Wavelength Repeatability</b>	? 1 nm
<b>Weight</b>	0.1CBM, 14 Kg



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