

## UV-1800 UV-VIS Spectrophotometer

Item	Specifications
Wavelength range	190 to 1100nm
Spectral bandwidth	1nm (190 to 1100nm)
Wavelength display	0.1 nm increments
Wavelength setting	0.1 nm increments (1 nm increments when setting scanning range)
Wavelength accuracy	$\pm 0.1$ nm @ 656.1 nm D2 $\pm 0.3$ nm (190 to 1100 nm)
Wavelength repeatability	$\pm 0.1$ nm
Stray light	less than 0.02% NaI @ 220nm, NaNO <sub>2</sub> @ 340nm less than 1.0% KCl @ 198nm
Photometric system	Double Beam
Photometric range	Absorbance: -0.04 Abs Transmittance: 0% to 400%
Photometric accuracy	$\pm 0.002$ Abs (0.54 Abs) $\pm 0.004$ Abs (1.54 Abs) $\pm 0.006$ Abs (2.04 Abs)

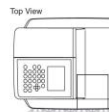
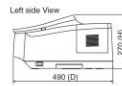
Item	Specifications
Photometric repeatability	less than $\pm 0.001$ Abs (0.54 Abs) less than $\pm 0.001$ Abs (1 Abs) less than $\pm 0.003$ Abs (2.04 Abs)
Baseline stability	less than 0.0003 Abs/h @ 700nm (one hour after light source turned ON)
Baseline flatness	within $\pm 0.0005$ Abs (190 to 1100nm, one hour after light source turned ON)
Noise level	within 0.00005 Abs RMS value ( @ 700nm)
Dimensions (WxDxH)	450Wx490Dx270H
Weight	19kg
Memory	USB memory (option), Saved as text and UV/PC file
Performance for PC	USB memory + UVProbe (standard), Win XP

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High resolution — the highest in its class : 1nm\*

User friendly — USB port is standard

Compact design — 450Wx490D

The UV-1800 uses the Czerny-Turner mounting for its monochromator, and boasts the highest resolution in its class, a bright optical system, and a compact design.

The UV-1800 can be used either as a stand-alone instrument or as a PC-controlled instrument.

USB memory can be connected directly to the UV-1800, enabling data for spectra and time-course curves to be displayed and saved with commercial spreadsheet software on a PC. In addition, printing is possible to printers that support PCL control codes.

\*As of August 2007, according to Shimadzu research.

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