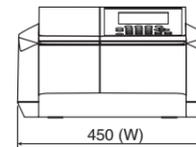


## UV-1800 UV-VIS Spectrophotometer

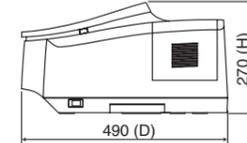
Item	Specifications
Wavelength range	190 to 1100nm
Spectral bandwidth	1nm (190 to 1100nm)
Wavelength display	0.1-nm increments
Wavelength setting	0.1-nm increments (1-nm increments when setting scanning range)
Wavelength accuracy	±0.1nm @ 656.1nm D2 ±0.3nm (190 to 1100nm)
Wavelength repeatability	±0.1nm
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: -4to4 Abs Transmittance: 0% to 400%
Photometric accuracy	±0.002 Abs (0.5Abs) ±0.004 Abs (1.0Abs) ±0.006 Abs (2.0Abs)

Item	Specifications
Photometric repeatability	less than ±0.001 Abs (0.5Abs) less than ±0.001 Abs (1Abs) less than ±0.003 Abs (2.0Abs)
Baseline stability	less than 0.0003 Abs/Hr. @700nm (one hour after light source turned ON)
Baseline flatness	within ±0.0006 Abs (190 to 1100nm, one hour after light source turned ON)
Noise level	within 0.00005 Abs RMS value (@ 700nm)
Dimensions (WxDxH)	450Wx490Dx270H
Weight	15kg
Memory	USB memory (option); Saved as text and UVPC file
Performance for PC	USB memory+UVProbe (standard); Win XP

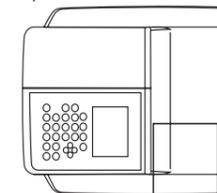
Front View



Left side View



Top View



JQA-0376

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**SHIMADZU**

SHIMADZU CORPORATION, International Marketing Division  
3, Kanda-Nishikicho 1-chome, Chiyoda-ku, Tokyo 101-8448, Japan  
Phone: 81(3)3219-5641 Fax: 81(3)3219-5710  
URL <http://www.shimadzu.com>

Printed in Japan 3295-01813-50ANS

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**SHIMADZU**



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

User friendly — USB port is standard

Compact design — 450W×490D

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.

**[www.shimadzu.com](http://www.shimadzu.com)**  
Please access our website !!

# UV-1800

SHIMADZU  
UV-VIS Spectrophotometer