



UV1800 Series Single Beam UV-Vis Spectrophotometers

1800 series spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

Features:

- With advanced circuit measurement and control system, make the instrument with higher reliability and low noise.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- Plug type deuterium lamp and tungsten lamp transfer lamps without optics debugging.
- Large room for samples can hold cuvettes of various specifications.
- Auto 8-cell holder is optional.

Specifications:

Model	UV1801	UV1801PCS	UV1800	V1800
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190 - 1100 nm			320-1100nm
Spectral Bandwidth	1nm	0.5/1/2/4/5nm	2nm	2nm
Wavelength Accuracy	0.3nm		0.5nm	0.3nm
Wavelength Repeatability	0.1nm		0.2 nm	0.2 nm
Photometric Accuracy	±0.3%T		±0.5%T	±0.5%T
Photometric Repeatability	0.1%T(0~100%T)			
Photometric Range	-0.3-3A			
Stray Light	0.05%T@220nm,360nm			
Stability	±0.001 A/h @500 nm			
Baseline Flatness	±0.002 A			
Noise	±0.001 A			
Scanning Speed	Fast, Mid, Slow			
Wavelength setting	Auto			
Light Source	Deuterium & Tungsten lamp			Tungsten lamp
Display	320*240 dots LCD			
Detector	Silicon Photodiode			
Output	USB port & Parallel port (Printer)			
Power	AC 220V/50Hz; AC 110V/60Hz			
Dimension	590 x 475 x 250mm			
Net Weight	20kg			