

1800 Series Single Beam Spectrophotometer



Features:

- Large 320*240 dots highlighted LCD.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- The newly designed excellent optical system and high performance holographic blazed grating ensure the low stray light of the instrument.
- The USB port can be used for data transfer and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
- Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, 21 CFR compliant software, etc.

Specifications:

Model	UV1800	UV1801	UV1801S	V1800
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190-1100 nm			320-1100nm
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5nm	2nm
Wavelength Accuracy	0.5nm	±0.1nm@656.1nm, ±0.3nm@all		
Wavelength Repeatability	0.2 nm	0.1nm		0.2 nm
Photometric Accuracy	±0.5%T	±0.3%T		±0.5%T
Photometric Repeatability	0.1%T(0~100%T)			
Photometric Range	0-200%T, -0.3~3A, 0-9999C			
Stray Light	0.05%T@220nm,360nm			
Stability	±0.0005A/h@500nm			
Baseline Flatness	±0.002 A			
Noise	±0.001 A			
Work Mode	T, A, C, E			
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)			
Wavelength setting	Auto			
Display	320*240 LCD			
Light Source	Imported Deuterium & Tungsten lamp			Imported Tungsten lamp
Detector	Imported Silicon Photodiode			
Cuvette Holder	10mm manual 4-cell holder			
Output	USB, RS232			
Power	AC 220V/50Hz; AC 110V/60Hz			
Shipping Size	810*660*390mm			
Gross Weight	27kg			
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV) , Power cord, User's Manual , PC software			