

## 1800 Series Single Beam Spectrophotometer



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

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	0.2nm	0.1 nm		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	±0.0005 A/h @500 nm			
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 dots LCD			
Light Source	Imported Deuterium & Tungsten lamp			Imported
Detector	Imported Silicon Photodiode			
Cuvette Holder	10mm manual 4-cell holder			
Output	USB port & Parallel port ( Printer)			
Power	AC 220V/50Hz; AC 110V/60Hz			
Dimension	590 x 475 x 250mm			
Net Weight	20kg			
Shipping Size	810*660*390mm			
Gross Weight	27kg			
Standard Accessories	10mm glass cuvette x4, 10mm quartz cuvette x2(UV),Power cord,User manual,PC software			

