

1700 Series Single Beam Spectrophotometer



1. Unique optical system, 1200 lines/mm grating great performance.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With PC software, it expands the applications, such as Spectral scanning, Kinetics, DNA/protein analysis, Multi-wavelength test, etc. PC software included.
3. Adopts 51 microcomputer system, and can store 200 test data and 100 standard curves;
4. Socket type deuterium lamp and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
5. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
6. Extensive accessories are optional, such as 50/100mm manual 4-cell holder, auto 8-cell holder, film holder, 21 CFR compliant software, etc.

Model	UV1700	UV1710	UV1720	V1700	V1710
Optical System	Single Beam, Grating 1200 lines/mm				
Wavelength Range	190~1100nm			320~1100nm	340~1050nm
Spectral Bandwidth	2 nm				4nm
Wavelength Accuracy	±0.3 nm	±0.5 nm	1nm	±0.5 nm	1nm
Wavelength Repeatability	<=0.1 nm	<=0.2 nm		<=0.1 nm	<=0.2 nm
Photometric Accuracy	0.3%T	0.5%T		0.3%T	0.5%T
Photometric Repeatability	0.2%T				
Photometric Range	0 - 200%T, - 0.3 - 3A, 0-9999C				
Stray light	0.05%T	0.1%T	0.15%T	0.05%T	0.15%T
Stability	±0.0001A/h	±0.0002A/h @500nm		±0.0001A/h	±0.0002A/h
Baseline Flatness	±0.002 A				
Noise	±0.001 A				
Work Mode	T, A, C, E				
Wavelength Setting	Auto				
Display	128*64 LCD				
Light Source	Deuterium & Tungsten lamp			Tungsten lamp	
Detector	Silicon Photodiode				
Output	USB port & Parallel port (Printer)				
Power	AC 220V/50Hz; AC 110V/60Hz				
Dimension	590*460*220mm				
Net Weight	16kg				
Shipping Size	700*580*340mm				
Weight	20kg				
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord. User manual. PC software			10mm glass cuvette x 4, Power cord. User manual	