

# 1700 Series Single Beam Spectrophotometer



- Unique optical system, 1200 lines/mm grating and imported receiver to ensure its sound performance.
- 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.
- Adopts 51 microcomputer system, and can store 200 test data and 100 standard curves.
- 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 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			330-1100nm	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 @500nm	±0.0002A/h @500nm		±0.0001A/h @500nm	±0.0002A/h @500nm
Baseline Flatness	±0.002 A				
Noise	±0.001 A				
Work Mode	T, A, C, E				
Wavelength Setting	Auto				
Display	128*64 LCD				
Light Source	Imported Deuterium & Tungsten lamp			Imported Tungsten lamp	
Detector	Imported Silicon Photodiode				
Cuvette Holder	10mm manual 4-cell holder				
Output	USB port & Parallel port ( Printer)				
Power	AC 220V/50Hz; AC 110V/60Hz				
Shipping Size	700*580*340mm				
Gross Weight	20kg				
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV) , Power cord, User's Manual , PC software				