

U Series Touch Screen Spectrophotometer



Windows Graphic Interface

- 8 inches high resolution capacitive color touch screen and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc.
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis 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.

Model	U3200	U3100	U3100S	U5200	U5100	U5100S
Optical System	Single Beam, Grating 1200 lines/mm			Double Beam, Grating 1200 lines/mm		
Wavelength Range	190 nm-1100nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all					
Wavelength Repeatability	≤0.1nm					
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)					
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)					
Photometric Range	0-200%T,-0.3~3A, 0-9999C					
Stray Light	≤0.03%T@220nm, 360nm					
Stability	±0.0005A/h@500nm			±0.0003A/h @500 nm		
Baseline Flatness	±0.002A	±0.001A		±0.002A	±0.001A	
Noise	0.0005A@500nm					
Work Mode	T, A, C, E					
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)					
Wavelength Setting	Auto					
Display	8" TFT Colored Capacitive Touch Screen					
Light Source	Imported Deuterium &Tungsten lamp					
Detector	Imported Silicon Photodiode					
Cuvette Holder	10mm manual 4-cell holder			10mm single hole cell holder		
Output	USB drive, USB host, RS232					
Power	AC 220V/50Hz or AC 110V/60Hz					
Shipping Size	810*660*390mm					880*690*520mm
Gross Weight	27kg					45kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software					