



## SYSTRONICS T Series PMT Spectrophotometer



### Windows Graphic Interface

#### Features:

- The Use of photomultiplier tube as a detector offers exceptional sensitivity.
- 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 – 100 mm cuvettes of all kinds.
- Extensive accessories are optional, such as auto 8-cell holder, film holder, peltier/sipper system, 21 CFR compliant software, built-in printer, etc.

Model	T8000	T8001	T8001S	T9000	T9001	T9001S
Optical System	Double Beam, Grating 1200 lines/mm					
Wavelength Range	190 nm-1100 nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}, \pm 0.3\text{nm}@all$					
Wavelength Repeatability	$\leq 0.1\text{nm}$					
Photometric Accuracy	$0.2\%T(0\sim 100\%T), \pm 0.002A(0\sim 0.5A), \pm 0.004A(0.5\sim 1A)$					
Photometric Repeatability	$\leq 0.15\%T(0\sim 100\%T), 0.001A(0\sim 0.5A), 0.002A(0.5\sim 1A)$					
Photometric Range	$0.200\%T, -4\sim 4A, 0\sim 9999C (0\sim 9999F)$					
Stray Light	$\leq 0.03\%T@220\text{nm}, 360\text{nm}$					
Stability	$\pm 0.0005A/h@500\text{nm}$			$\pm 0.0003A/h @500\text{nm}$		
Baseline Flatness	$\pm 0.0002A$	$\pm 0.001A$		$\pm 0.0002A$	$\pm 0.001A$	
Noise	$0.0005A@500\text{nm}$					
Work Mode	T, A, C, E					
Scanning Speed	Hi, Med, Low (Max, 3000nm/min)					
Wavelength Setting	Auto					
Display	7" TFT color Screen			10.1" TFT colored Capacitive Touch Screen		
Light Source	Imported Deuterium & Tungsten lamp					
Detector	Imported Photomultiplier Tube					
Cuvette 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		810*660*390mm	880*690*520mm	
Gross Weight	27kg	45kg		27kg	45kg	
Standard Accessories	10mm glass cuvette x 4, 100mm quartz cuvette x 2, Power cord, User's Manual, PC software					

## **SYSTRONICS (INDIA) LIMITED**

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