SYSTRONICS

AU 2702 Spectrophotometer with PMT Detector

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.

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	**± 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, -4~4A, 0-9999C (0-9999F)**					
Stray Light	**≤ 0.03%T@220nm, 360nm**					
Stability	**± 0.0005A/h@500nm**			**± 0.0003A/h @500nm**		
Baseline Flatness	**± 0.0002A**	**± 0.001A**		**± 0.0002A**	**± 0.001A**	
Noise	**0.0005A@500nm**					
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**					

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