

Technical Specifications

Specification	SP1000	SP3000
Optical System	Single Beam	
Light Source	Tungsten Halogen	
Spectral Bandwidth	4 nm	
Wavelength Range	320 – 1050 nm	
Wavelength Accuracy	±0.8 nm	±0.5 nm
Wavelength Repeatability	±0.3 nm	±0.2 nm
Wavelength Display	0.1 nm	0.1 nm
Wavelength Swing Speed	10,000 nm/min	
Wavelength Scan Speed	—	20 – 4,200 nm/min
Photometric Range	-0.3–3 A 0–200 %T 0–9999.9 C	
Photometric Accuracy	±0.003 A (0–0.5 A) ±0.006 A (0.5–1 A) ±0.5 %T	
Photometric Repeatability	±0.002 A (0–0.5 A) ±0.003 A (0.5–1 A) ±0.2 %T	
Noise	±0.0001 A @ 500 nm (RMS)	
Drift	±0.002 A/h @ 500 nm	
Baseline Flatness	—	±0.002 A
Stray Light	±0.2 %T @ 340 nm	±0.05 %T @ 340 nm
Measurement Modes	Photometry, Quantitation	Photometry, Quantitation, Spectrum
Detector	Silicon Photodiode	
Sample Holder	10 mm 4-cell manual	12 mm 4-cell manual
Display	5" TFT Color Touchscreen	
Storage	236 KB + USB expansion	
Interfaces	RS232, USB-A, USB-B	
Power Supply	100–240V AC, 50/60 Hz, 75 VA	
Dimensions (WxDxH)	456 × 360 × 185 mm	
Weight	10.5 kg	

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