

CS-2000A Spectroradiometer

PRODUCT SPECS:

What are the specs for the product?

Measurement angle		0.1°C, 0.2°C, 1°C selectable
Measurement wavelength range		380 to 780nm
Wavelength resolution		0.9nm/pixel
Display wavelength pitch		1.0nm
Median wavelength precision		±0.3nm (at 435.8nm, 546.1nm, and 643.8nm)
Half bandwidth		5nm or less
Luminance measurement range (for Standard Illuminant A)		0.1°C measurement angle: 0.05 to 500,000 cd/m ² 0.2°C measurement angle: 0.0125 to 125,000 cd/m ² 1°C measurement angle: 0.0005 to 5,000 cd/m ²
Accuracy	Luminance	±2%
	Chromaticity (1°C measurement angle)	x,y: ±0.002 (0.001 to 0.05 cd/m ²) x,y: ±0.0015 (from 0.05 cd/m ²)
Repeatability	Luminance (1°C measurement angle)	1.5% (0.0005 to 0.001 cd/m ²) 0.7% (0.001 to 0.003 cd/m ²) 0.25% (0.003 to 0.05 cd/m ²) 0.15% (0.05 to 5,000 cd/m ²)
	Chromaticity (1°C measurement angle)	x: 0.003 y: 0.0035 (0.001 to 0.003 cd/m ²) x: 0.001 y: 0.0015 (0.003 to 0.1 cd/m ²) x: 0.0006 y: 0.0006 (0.1 to 0.2 cd/m ²) x: 0.0004 y: 0.0004 (0.2 to 5,000 cd/m ²)
Polarization error		0.1°C, 0.2°C measurement angle: 3% or less 1°C measurement angle: 2% or less
Measurement time		Approx. 2 to 243 sec.
Color space mode		Lv x y, Lv u' v', Lv TΔuv, XYZ, spectral waveform, dominant wavelength, excitation purity scotopic luminosity (with CS-S10w Professional)

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Interface	USB 1.1
Operating temperature/humidity range	5 to 30°C; Relative humidity 80% or less with no condensation
Power supply	AC adapter (100 to 240V~, 50/60 Hz)
Dimensions (W × H × D)	158 × 200 × 300mm (Main unit) Ø70 × 95mm (Lens)
Weight	6.2kg (including lens)

Measurement conditions for accuracy/repeatability:
Measurement subject: Standard Illuminant A; Ambient temperature: 23°C±2°C;
Relative humidity: 65% or less

Specifications and appearance subject to change without notice.