

AIOX2000 Series Spectroradiometer

The AIOX2000-02-340-1000-SR is a miniature spectroradiometer designed for precise spectral measurements within the 340-1000nm wavelength range.

Despite its compact size, it offers high precision with a maximum spectral resolution of 5nm and a strong signal-to-noise ratio of 300:1. The CMOS sensor array and UART protocol support facilitate easy integration and development, making it suitable for various applications requiring miniaturized spectral sensing solutions.



Features

- Compact size
- UART protocol support for easy integration and improved development efficiency.
- Consistent and reliable performance, delivering high precision, miniaturized spectral sensing.

Specifications

Model	AIOX2000-02-340-1000-SR
Wavelength Range	340-1000nm
Sensor	CMOS Array
Size	26.2 x 25.2 x 20.25 mm
Output Data Units	mW/m ² /nm
Spectral Resolution	Max. 5nm
Spectral Accuracy	±1nm
Output Wavelength Interval	1nm
Signal to Noise Ratio	300:1
Digital Dynamic Range	32 bit
Optical Dynamic Range	5-150000 lux
Relative Irradiance Accuracy	3%
Integration Time	0.1-5000ms
Operating Temperature	-10°C to 60°C
Bundled Software	PC Upper Software