

AIOX2000 Series Free-Space Spectrometers

The AIOX2000 series spectrometers offer continuous detection in the spectral range from 340nm to 1000nm or from 390nm to 1050nm. These spectrometers stand out for their repeatability, stability, compactness, and affordability.



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	AIOX2000-01-340-1000	AIOX2000-04-390-1050
Wavelength Range	340-1000nm	390-1050nm
Sensor	CMOS Array	CMOS Array
Size	26.2 x 25.2 x 20.25 mm	26.2 x 25.2 x 20.25 mm
Spectral Resolution	Max. 5nm	Max. 5nm
Spectral Accuracy	±1nm	±1nm
Output Wavelength Interval	1nm	1nm
Signal to Noise Ratio	300:1	300:1
Digital Dynamic Range	32 bit	32 bit
Optical Dynamic Range	5-150000 lux	5-150000 lux
Relative Irradiance Accuracy	3%	3%
Integration Time	0.1-5000ms	0.1-5000ms
Operating Temperature	-10°C to 60°C	-10°C to 60°C
Bundled Software	PC Upper Software	PC Upper Software

AION OPTIX

contact : info@apnitechology.ca