

AIOX20FX-3 Series Spectrometers

The AIOX20FX-3 series offers two advanced spectrometers featuring thermoelectric internal cooling technology and linear InGaAs CCD detectors. The AIOX20FX-3-01-SMA-900-1700 and AIOX20FX-3-02-SMA-900-2500 models cover the spectral range from 900-1700nm, and 900-2500nm respectively.



Features

- Uses Hamamatsu arrayed InGaAs detector.
- Covers the near-infrared spectral region.
- Cooling the InGaAs detector significantly increases the signal-to-noise ratio.

Specifications

Part No.	AIOX20FX-3-01-SMA-900-1700	AIOX20FX-3-02-SMA-900-2500
Wavelength Range	900nm to 1700nm	900nm to 2500nm
Spectral Resolution	4.7nm	8.8nm
Detector	Hamamatsu, 256 pixel CCD	Hamamatsu, 256 pixel CCD
Integration Time	1ms ~ 15s	1~150ms
Signal-to-Noise Ratio	3000:1	7000:1
Dynamic Range	10000:1	15000:1
A/D Digits	16 bits	16 bits
External Triggers	Normal / Level / Edge / Synchronization	Normal / Level / Edge / Synchronization
Elimination of Higher-order Diffraction	N/A	post-filters
Optical Connection	SMA 905	SMA 905