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Find the *Agilent / PXIT PX2000-330* at our website: *Click HERE*

PXI Optical Spectrometer

Model Number: **PX2000-330**

compact flexible scalable precise

The PX2000-330 Optical Spectrometer is a 2048-element linear CCD-array fibre optic spectrometer supplied as a fully compatible 3U PXI module.

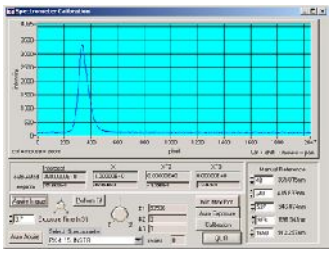
Occupying two slots, this sturdy spectrometer is responsive from 200-1100 nm and couples via an SMA 905 connector to allow users create a PXI photometric system for a variety of optical sensing applications.

Features



- High Optical Resolution – typically < 1.3nm
- High Speed – Acquisition times as low as 1.2ms
- PXI format – Ideal for industrial applications
- Sturdy Design – No moving parts
- 2,048 element linear CCD array
- Wavelength and Relative Irradiance calibration sources available

Applications



- Colour Measurement
- Absorbance, Reflectance, Emission (LEDs, e.t.c.) measurement

Specifications

Parameter	Specification
Wavelength Range	350-1100nm (other ranges available 200-1100nm)
Detector	2048-element linear silicon CCD array
Grating	600 lines/mm for 350-850nm (other ranges available)
Entrance aperture	25µm, 100µm, 200 µm slits or fiber (no slit)
Order-sorting filter	Variable long pass filter 350-1100nm (other ranges available from 200-100nm)
Focal length	42 mm (input); 68 mm (output)
Optical resolution	0.3-10.0 nm depending on grating and entrance aperture
Stray light	<0.05% @ 600nm; <0.10% @ 435nm; <0.10% @ 250nm
Dynamic range	2 x 10^8 (system); 2000:1 for a single scan
Sensitivity (estimated)	86 photons/count; 2.9 x 10-17 joules/count; 2.9 x 10-17 watts/count (for 1-second integration)
Fiber optic connector	SMA 905 to single-strand optical fiber (0.22 NA)
Integration time	1.2 milliseconds to 60 seconds

ORDER CODES

PX2000-330-VIS **Visible light spectrometer – For other wavelength ranges consult factory**

PXIT is a sponsor member of the PXI Systems Alliance. For more details please visit the Systems Alliance web site at WWW.PXISA.ORG

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