

Ocean Optics QE Pro NIR Spectrometer

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+

A\$29,107^{.20}

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Product Downloads

General	
	Software:
OceanDirect & OceanView	
	Integration Time:
8 ms – 3600 s	
	Model Number:
QEPRO-N750-25	
	Note:
Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable	
	Input Port Termination:
SMA905	
	Grating:
Ruled Diffraction Grating: 1200 Grooves/mm Blazed @ 750nm	
	Optical Bench:
Cross Czerny Turner	
Physical & Mechanical Properties	
	Slit Width (µm):
25	
	Weight (kg):

1.15	
182 x 110 x 47	Dimensions (mm):
Optical Properties	
1.2	Spectral Resolution (nm):
640 - 810	Wavelength Range (nm):
Sensor	
CCD	Type of Sensor:
Electrical	
Signal to Noise S/N Ratio: Single Scan @ 10 ms: 1000:1 Max per second with High Speed Averaging Mode: 85,000:1	
Hardware & Interface Connectivity	
USB, RS-232	Computer Interface:
Threading & Mounting	
(3) 4-40	Mounting Threads:
Environmental & Durability Factors	
0 to +55	Operating Temperature (°C):
-30 to +70	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- High Sensitivity & Low Noise
- Fast, Reliable Data Capture
- UV-VIS and NIR Optimized Options Available

Ocean Optics QE Pro Spectrometers deliver high sensitivity, low noise, and exceptional dynamic range, making them a powerful choice for demanding UV-VIS and NIR measurements. Each model is optimized with precision gratings and slits; the NIR model is designed for sharp resolution within the 640–810 nm wavelength range, and the UV-VIS model is tailored for improved detection across the 220–650 nm wavelength range. A thermo-electrically cooled, back-thinned CCD sensor ensures clean and stable performance, even in low-light conditions. Ocean Optics QE Pro Spectrometers also offer high-speed buffering of up to 15,000 spectra for smooth, uninterrupted data collection. These spectrometers are ideal for applications including fluorescence, absorbance, spectral imaging, biomedical assays, environmental monitoring, and advanced materials analysis.