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Ocean Optics QE Pro UV Spectrometer

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- 1 + C$25,468.80

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General

Software:
OceanDirect & OceanView

Integration Time:
8 ms – 3600 s

Model Number:
QEPRO-UVV300-25

Note:
Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable

Input Port Termination:
SMA 905

Grating:
Ruled Diffraction Grating: 600 Grooves/mm
Blazed @ 300nm

Optical Bench:
Cross Czerny Turner

Physical & Mechanical Properties

Slit Width (µm):
25

Weight (kg):

1.15

Dimensions (mm):

182 x 110 x 47

Optical Properties

Spectral Resolution (nm):

1.2

Wavelength Range (nm):

200 - 650

Sensor

Type of Sensor:

CCD

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

Computer Interface:

USB, RS-232

Threading & Mounting

Mounting Threads:

(3) 4-40

Environmental & Durability Factors

Operating Temperature (°C):

0 to +55

Storage Temperature (°C):

-30 to +70

Regulatory Compliance

Certificate of Conformance:

View

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.

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