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Ocean Optics ST UV Microspectrometer

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⊖ 1 ⊕ C\$2,662⁸⁰

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Product Downloads

General

OceanDirect & OceanView	Software:
3.8 ms – 6 s	Integration Time:
ST-UV-25	Model Number:
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: 600 Grooves/mm, Blazed @ 250nm

Optical Bench:

Cross Czerny Turner

Title:

Ocean Optics ST UV Microspectrometer

Physical & Mechanical Properties

Slit Width (µm):

25

Weight (kg):

0.0704

Dimensions (mm):

42.1 x 40.3 x 26.6

Optical Properties

Spectral Resolution (nm):

2.2

Wavelength Range (nm):

185 - 650

Sensor

Type of Sensor:

CCD

Electrical

Signal to Noise S/N Ratio:

Single Scan @ 10 ms: 190:1

Max per second with High Speed Averaging Mode:

2250:1

Hardware & Interface Connectivity

Computer Interface:

USB, RS-232

Threading & Mounting

Mounting Threads:

(2) M2 x 0.4

Environmental & Durability Factors

Operating Temperature (°C):

0 to +55

Storage Temperature (°C):

-30 to +70

Thermal Drift:

0.05 Pixel/°C

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 250:

[Compliant](#)

Product Details

- Compact Spectrometers for Small Space Solutions and Easy Integration
- Experience Fast, Reliable Results with Solutions Designed for Rapid Testing
- UV, VIS, and NIR Models Available

Ocean Optics ST Microspectrometers offer high-performance spectral analysis in a compact, lightweight design—perfect for space-constrained setups and OEM device integration. These miniature spectrometers feature excellent spectral response, high-speed acquisition, and high signal-to-noise ratio. Models are available for the UV, VIS, and NIR ranges and support real-time measurements in applications such as plasma monitoring, DNA absorbance, fluorescence detection, and color quality control. The Ocean Optics ST Microspectrometers include the user-friendly OceanView software system to optimize spectrometer performance, ease system integration, and access data for analysis.