

Ocean Optics ST VIS Microspectrometer

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⊖ 1 ⊕ **A\$2,912⁰⁰**

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Product Downloads

General

OceanDirect & OceanView

Software:

3.8 ms – 6 s

Integration Time:

ST-MS-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 @ 500nm

Optical Bench:
Cross Czerny Turner

Title:
Ocean Optics ST VIS 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):
350 - 810

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.