

Ocean Optics ST NIR Microspectrometer

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1

+

£1,521⁰⁰

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SPECIFICATIONS

General

OceanDirect & OceanView

Software:

3.8 ms – 6 s

Integration Time:

ST-NIR-25	Model Number:
Note: Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable	
SMA905	Input Port Termination:
Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 1000nm	Grating:
Cross Czerny Turner	Optical Bench:
Physical & Mechanical Properties	
25	Slit Width (µm):
0.0704	Weight (kg):
42.1 x 40.3 x 26.6	Dimensions (mm):
Optical Properties	
2.2	Spectral Resolution (nm):
645 - 1085	Wavelength Range (nm):
Sensor	
CCD	Type of Sensor:
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	
USB, RS-232	Computer Interface:
Threading & Mounting	
(2) M2 x 0.4	Mounting Threads:
Environmental & Durability Factors	
0 to +55	Operating Temperature (°C):
-30 to +70	Storage Temperature (°C):
0.05 Pixel/°C	Thermal Drift:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:

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.