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# Ocean Optics ST NIR Microspectrometer

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⊖ 1 ⊕ A\$3,043<sup>20</sup>

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**General**

OceanDirect & OceanView	<b>Software:</b>
3.8 ms – 6 s	<b>Integration Time:</b>
ST-NIR-25	<b>Model Number:</b>
<b>Note:</b> 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 @ 1000nm

**Optical Bench:**

Cross Czerny Turner

**Title:**

Ocean Optics ST NIR 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):**

645 - 1085

## 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.