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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	

SMA905 **Input Port Termination:**

**Grating:**  
Ruled Diffraction Grating: 600 Grooves/mm, Blazed  
@ 1000nm

Cross Czerny Turner **Optical Bench:**

Ocean Optics ST NIR Microspectrometer **Title:**

## 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

**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.