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# Ocean Optics ST VIS Microspectrometer

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## General

<b>Software:</b> OceanDirect & OceanView	<b>Integration Time:</b> 3.8 ms – 6 s
<b>Model Number:</b> ST-VIS-25	<b>Note:</b> Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable
<b>Input Port Termination:</b> SMA 905	<b>Grating:</b> Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 500nm
<b>Optical Bench:</b> Cross Czerny Turner	<b>Title:</b> Ocean Optics ST VIS Microspectrometer

## Physical & Mechanical Properties

<b>Slit Width (µm):</b> 25	<b>Weight (kg):</b> 0.0704
<b>Dimensions (mm):</b> 42.1 x 40.3 x 26.6	

## Optical Properties

<b>Spectral Resolution (nm):</b> 2.2	<b>Wavelength Range (nm):</b> 350 - 810
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## Sensor

<b>Type of Sensor:</b> CCD	
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## Electrical

<b>Signal to Noise S/N Ratio:</b> Single Scan @ 10 ms: 190:1 Max per second with High Speed Averaging Mode: 2250:1	
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## 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.

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

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