

# Ocean Optics SR2 VIS-NIR Versatile Spectrometer

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⊖ 1 ⊕ €3.859<sup>00</sup>

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#### Product Downloads

#### General

OceanDirect & OceanView

**Software:**

1  $\mu$ s – 2 s

**Integration Time:**

SR-2VN500-25

**Model Number:**

**Note:**  
Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable

SMA905	<b>Input Port Termination:</b>
Ruled Diffraction Grating: 600 Grooves/mm, Blazed @500nm	<b>Grating:</b>
Cross Czerny Turner	<b>Optical Bench:</b>
<b>Physical &amp; Mechanical Properties</b>	
25	<b>Slit Width (µm):</b>
0.275	<b>Weight (kg):</b>
88.1 x 63.5 x 31.45	<b>Dimensions (mm):</b>
<b>Optical Properties</b>	
1.33	<b>Spectral Resolution (nm):</b>
350 - 1040	<b>Wavelength Range (nm):</b>
<b>Sensor</b>	
CCD	<b>Type of Sensor:</b>
<b>Electrical</b>	
Single Scan @ 10 ms: 380:1	<b>Signal to Noise S/N Ratio:</b>
25,800:1	<b>Max per second with High Speed Averaging Mode:</b>
<b>Hardware &amp; Interface Connectivity</b>	
USB, RS-232	<b>Computer Interface:</b>
<b>Threading &amp; Mounting</b>	
(3) 4-40	<b>Mounting Threads:</b>
<b>Environmental &amp; Durability Factors</b>	
0 to +55	<b>Operating Temperature (°C):</b>
-30 to +70	<b>Storage Temperature (°C):</b>
0.02 nm/°C	<b>Thermal Drift:</b>
<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 250:</b>

## Product Details

- Compact Design and Powerful Performance
- Broad Wavelength Range Options Spanning 180 - 1040nm
- Three Models Available for a Diverse Range of Applications

Ocean Optics SR Versatile Spectrometers are available in S2, S4, and S6 models, each of which offers high performance and broad spectral coverage to suit a diverse set of applications. SR2 spectrometers are optimized for fast spectral acquisition and high signal-to-noise ratio (SNR), making them ideal for applications such as laser characterization, plasma monitoring, and absorbance concentration. The SR4 spectrometers present superior thermal wavelength stability, low-noise CCD detection, and consistent high signal-to-noise performance, perfect for plasma monitoring and reflection measurements. High-sensitivity SR6 models provide exceptional SNR and UV response, supporting applications such as UV absorbance, fluorescence, and plasma diagnostics. The Ocean Optics SR Versatile Spectrometers include the user-friendly OceanView software system to optimize spectrometer performance, ease system integration, and access data for analysis.