

Ocean Optics SR2 VIS-NIR Versatile Spectrometer

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⊖ 1 ⊕ \$5,402⁰⁰

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General

OceanDirect & OceanView **Software:**

1 μs – 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

Input Port Termination:
SMA905

Grating:
Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 500nm

Optical Bench:
Cross Czerny Turner

Physical & Mechanical Properties

Slit Width (µm):
25

Weight (kg):
0.275

Dimensions (mm):
88.1 x 63.5 x 31.45

Optical Properties

Spectral Resolution (nm):
1.33

Wavelength Range (nm):
350 - 1040

Sensor

Type of Sensor:
CCD

Electrical

Signal to Noise S/N Ratio:
Single Scan @ 10 ms: 380:1
Max per second with High Speed Averaging Mode:
25,800:1

Hardware & Interface Connectivity

Computer Interface:
USB, RS-232

Threading & Mounting

Mounting Threads:
(3) 4-40

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):
-30 to +70

Thermal Drift:
0.02 nm/°C

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 250:
[Compliant](#)

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.