

Ocean Optics SR4 VIS-NIR Versatile Spectrometer

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Stock #90-021 NEW **1 In Stock**

⊖ 1 ⊕ €4.410⁰⁰

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Product Downloads

General

OceanDirect & OceanView **Software:**

3.8 ms – 2 s **Integration Time:**

SR-4VN500-25 **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):	
1.65	
Wavelength Range (nm):	
350 - 1040	
Sensor	
Type of Sensor:	
CCD	
Electrical	
Signal to Noise S/N Ratio:	
Single Scan @ 10 ms: 250:1 Max per second with High Speed Averaging Mode: 3000:1	
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 Stability:	
0.05 Pixel/°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.