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Ocean Optics SR4 VIS-NIR Versatile Spectrometer

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S\$6,174^{.00}

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Product Downloads

General	
OceanDirect & OceanView	
Software:	
3.8 ms – 2 s	
Integration Time:	
SR-4VN500-25	
Model Number:	
Includes manual QR code, software QR code, calibration reports for wavelength and linearity, 1 m USB cable	
Note:	

SMA905	Input Port Termination:
	Grating:
Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 500nm	

Cross Czerny Turner	Optical Bench:
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Physical & Mechanical Properties

25	Slit Width (µm):
0.275	Weight (kg):

88.1 x 63.5 x 31.45	Dimensions (mm):
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Optical Properties

1.65	Spectral Resolution (nm):
350 - 1040	Wavelength Range (nm):

Sensor

CCD	Type of Sensor:
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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

USB, RS-232	Computer Interface:
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Threading & Mounting

(3) 4-40	Mounting Threads:
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Environmental & Durability Factors

0 to +55	Operating Temperature (°C):
-30 to +70	Storage Temperature (°C):

0.05 Pixel/°C	Thermal Stability:
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 250:
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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.