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Ocean Optics SR2 NIR Versatile Spectrometer

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+

C\$5,402⁰⁰

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Product Downloads

General	
	Software:
OceanDirect & OceanView	
	Integration Time:
1 μs – 2 s	
	Model Number:
SR-2N750-25	
	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: 1200 Grooves/mm, Blazed @ 750nm	

	Optical Bench:
Cross Czerny Turner	

Physical & Mechanical Properties

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

	Dimensions (mm):
88.1 x63.5 x31.45	

Optical Properties

	Spectral Resolution (nm):
0.84	
	Wavelength Range (nm):
570 - 860	

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.