

# Ocean Optics SR2 NIR Versatile Spectrometer

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MRP ₹4,09,826

**●** Price inclusive of all taxes

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## Product Downloads

### General

OceanDirect & OceanView

**Software:**

1  $\mu$ s – 2 s

**Integration Time:**

SR-2N750-25

**Model Number:**

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

SMA905

**Input Port Termination:**

**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 x 63.5 x 31.45

## 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](#)

**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
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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.

