

# Ocean Optics SR2 UV-VIS Spectrometer

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## Product Downloads

### General

OceanDirect & OceanView **Software:**

1 μs – 2 s **Integration Time:**

SR-2UW300-25 **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: 600 Grooves/mm, Blazed @ 300nm

Cross Czerny Turner

**Optical Bench:**

**Physical & Mechanical Properties**

25

**Slit Width (µm):**

0.275

**Weight (kg):**

88.1 x 63.5 x 31.45

**Dimensions (mm):**

**Optical Properties**

1.33

**Spectral Resolution (nm):**

195 - 850

**Wavelength Range (nm):**

**Sensor**

CCD

**Type of Sensor:**

**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**

USB, RS-232

**Computer Interface:**

**Threading & Mounting**

(3) 4-40

**Mounting Threads:**

**Environmental & Durability Factors**

0 to +55

**Operating Temperature (°C):**

-30 to +70

**Storage Temperature (°C):**

0.02 nm/°C

**Thermal Drift:**

**Regulatory Compliance**

**Compliant**

**RoHS 2015:**

**View**

**Certificate of Conformance:**

**Compliant**

**Reach 250:**

United States

**Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
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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.

