

Ocean Optics SR6 UV-VIS Spectrometer

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⊖ 1 ⊕ A\$8,644.⁸⁰

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Product Downloads

General

OceanDirect & OceanView	Software:
7.2 ms – 5 s	Integration Time:
SR-6UV300-25	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 @ 300nm

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):

180 - 900

Sensor

Type of Sensor:

CCD

Electrical

Signal to Noise S/N Ratio:

Single Scan @ 10 ms: 400:1

Max per second with High Speed Averaging Mode:
3500:1

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:

0.03 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.