

Ocean Optics SR2 UV-VIS Spectrometer

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Stock #90-018 **NEW** 1 In Stock

⊖ 1 ⊕ £3,087²⁰

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Qty 1+	£3,087.20 each
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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

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):	1.33
Wavelength Range (nm):	195 - 850
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.