

SPECTRAL EVOLUTION

Ultra High Resolution Portable Spectroradiometer



SR-6500 Ultra High Resolution Spectroradiometer

The SR-6500 portable spectroradiometer from SPECTRAL EVOLUTION provides the ultimate in high resolution NIR spectroscopy. With a 350-2500nm spectral range, it features stable performance with three high density thermoelectrically-cooled photodiode arrays and NIST-traceable radiometric calibration.

Features include:

Spectral range 350-2500nm

Spectral Resolution (FWHM)

- ◆ 1.5nm@700nm
- ◆ 3.0nm@1500nm
- ◆ 3.8nm@2100nm

Photodiode arrays

- ◆ 1024 element TE-cooled SI detector array (350-1000nm)
- ◆ 512 element TE-cooled InGaAs detector array (1000-1630nm)

- ◆ 512 element TE-cooled extended InGaAs detector array (1630-2500nm)
- Noise Equivalence Radiance (with 1.5 meter fiber optic)
- ◆ 1.0×10^{-9} W/cm²/nm/sr @ 400nm
 - ◆ 2.8×10^{-9} W/cm²/nm/sr @ 1500nm
 - ◆ 6.8×10^{-9} W/cm²/nm/sr @ 2100nm

Auto dark current measurement

Auto-optimization

Dimensions:

- ◆ 12.4 x 8.7 x 4.4 inches (31.5 x 22.9 x 38.7 cm)

Weight:

- ◆ 11 lbs. (4.99 kg)

Operating range: 0-40°C

Communications: Wireless Bluetooth and USB

Spectral Evolution reserves the right to change specifications without notice.



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