SPECTRAL EVOLUTION

Ultra High Resolution Portable 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)
- $1.0 \times 10^{-9} \text{W/cm}^2/\text{nm/sr} @ 400\text{nm}$
- $2.8 \times 10^{-9} \text{W/cm}^2/\text{nm/sr} @ 1500\text{nm}$
- $6.8 \times 10^{-9} \text{W/cm}^2/\text{nm/sr} @ 2100\text{nm}$

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.