



PRESS RELEASE



Affordable Radiometric Calibration Transfer Across the 320-1100nm Spectral Range.

The SR-1100-TE from SPECTRAL EVOLUTION delivers the ultimate in high performance and temperature control.

Lawrence, MA – August 16, 2013 – The SR-1100-TE spectroradiometer is well-suited for radiometric calibration transfer involving satellite sensors and integrated spheres. With a 320-1100nm spectral range and compact design, you can take calibration to the integrating sphere - minimizing downtime and increasing efficiency.

The SR-1100-TE features a 512 element TE-cooled silicon photodiode array for high performance measurements with stable temperature control through a wide range of ambient temperatures and environments.

The SR-1100-TE features:

- Spectral range of 320 – 1100nm
- 512 element TE-cooled silicon photodiode array (320-1000nm)
- Auto-temperature control at ambient temperatures from 15-40° C
- Diffraction-based optics for greater reliability (no moving parts)
- Auto dark current shutter and autoexposure for one-touch operation
- Fixed, metal-clad fiber optic cable with SMA-905 input – fiber is user removable (4 bolts)
- Minimum scan speed is 100 milliseconds
- Spectral resolution <3.2nm (320-1000nm)
- Sampling bandwidth 1.5nm (320-1100nm)
- DARWin SP Data Acquisition software - easy to use, stores data as ASCII files for use with third party analysis software

The SR-1100-TE is equipped with the exclusive DARWin SP Data Acquisition software package so you can take advantage of the following analysis features:

- Integrated energy measurement tool calculates integrated radiance/irradiance for an active spectrum over a user-adjustable wavelength band
- Upload up to four user-defined calibration tables for easy transfer
- Automatically saves data as an ASCII file to 3rd party software – no pre-processing is necessary
- Collect data with a single click
- Display reflectance/transmittance data (percentage) or absorbance (logarithmic) versus wavelength
- Single and multiple spectral plots available
- LabVIEW drivers available
- Built-in solar radiance measurement and spectral match capability

Accessories for the SR-1100-TE include SMA-905 compatible fiber mount, a range of lenses (1,2,4,5,and 8 degree FOV), and spare fiber optic cables in a range of lengths from 1.2 meters up.

For more information on this and other laboratory spectroradiometers, please visit:

About SPECTRAL EVOLUTION

Established in 2004, SPECTRAL EVOLUTION is a leading manufacturer of laboratory and handheld portable spectrometers, spectroradiometers and spectrophotometers. SPECTRAL EVOLUTION spectrometers are used worldwide for many mission-critical lab and field applications in mining, remote sensing, vegetative studies, ground truthing, environmental and climate studies, developing satellite calibrations, and more, due to their reliable, robust, rugged design and user-friendly one-touch features.

SPECTRAL EVOLUTION maintains a facility in Lawrence, Massachusetts which houses design, prototyping, manufacturing and service facilities for the instruments that it markets and sells worldwide, either through direct sales, OEM sales or through distributor agents.

Press contact

Mo Kashdan

Marketing & Sales

978-687-1833

Maurice.kashdan@spectralevolution.com

SPECTRAL EVOLUTION

1 Canal Street, Unit B1

Lawrence, MA 01840 USA

www.spectralevolution.com

