



## **PRESS RELEASE**

### **Introducing the SR-2501PT Spectroradiometer for Quantification of Pulsed Solar Simulators.**

*Lawrence, MA – March 20, 2018* – The SR-2501PT is a full range spectroradiometer designed to test and measure pulsed solar simulators. The spectral range is from 280-2500nm with spectral resolution at 4nm for 280-1000nm and 22nm for 1000-2500nm. Running our DARWin SP Data Acquisition software, it meets AM0, AM1.5 and AM1.5 Global Tilt (GT) spectral match capability.

The Sr-2501PT has the following features::

- Detectors: One 512 element UV-enhanced silicon photodiode array and one 256 element TE-cooled extended InGaAs photodiode array
- 1-50 msec integration time (software selectable)
- Bluetooth I/O connection
- External TTL port and phototrigger with SMA-905 port
- 0-100 millisecond trigger delay increment
- External TTL  $\leq 5\mu\text{sec}$  trigger jitter
- Photodetector jitter -  $\leq 100\text{nsec}$
- Spectral match for AM0, AM1.5 and AM1.5 Global Tilt
- DARWin SP Data Acquisition software includes added features such as spectral match reports, auto-integration and auto-ranging, and automatically saves data as ASCII files for use with 3<sup>rd</sup> party software

The unit includes NIST traceable irradiance calibration and can be equipped with a right angle diffuser with 2 meter fiber optic and triggering photocell with single core fiber optic. The DARWin software can be used to test for spectral match, uniformity, and stability over time. DARWin produces a spectral match report showing system classification, a spectral uniformity report including an integration utility that allows the user to integrate total energy detected over a user-defined wavelength range, and a spectral stability report.

For more information on this and other general photonics spectroradiometers, please contact: [sales@spectralevolution.com](mailto:sales@spectralevolution.com)

### **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.