



PRESS RELEASE

Introducing the SR-1901PT Spectroradiometer for Quantification of Pulsed Solar Simulators.

The SR-1901PT is ideal for classifying pulsed solar simulators in PV manufacturing

Lawrence, MA – October 10, 2014 – Ensuring the uniform quality of solar cells, modules and panels is critical for PV manufacturers as part of their quality control best practices. Solar simulators are used to simulate sunlight in testing the reliability and performance of solar cells and panels. Pulse solar simulators can be used to test large solar panels at a fraction of the cost of continuous solar simulators. Monitoring, measuring, and classifying a pulse solar simulator is necessary to provide complete and consistent information on cell performance, but it is also difficult to do.

Now SPECTRAL EVOLUTION offers the SR-1901PT spectroradiometer for testing and classifying pulsed solar simulators. The instrument is compact, portable, and easy to set up and use. The SR-1901PT has a spectral range of 280-1900nm. Other features include:

- Detectors: One 512 element UV-enhanced silicon photodiode array and one 256 element TE-cooled extended InGaAs photodiode array
- 1-50 msec integration time
- 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 AM1.5
- DARWin SP-PT 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 3rd party software

The unit includes NIST traceable irradiance calibration, 1.2 meter dual fiber optic with custom diffuser and built-in phototrigger, 100-240 volt/50-60hz power supply, and a dustproof, waterproof foam-lined case for shipment and storage. Our easy to use DARWin SP Data Acquisition software is included with each SR-1901PT.

For more information on this and other general photonics spectroradiometers, please visit: http://www.spectralevolution.com/spectroradiometer_SR_1901PT.html

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

