

# SPECTRAL EVOLUTION

Compact portable spectroradiometer for pulsed solar simulators

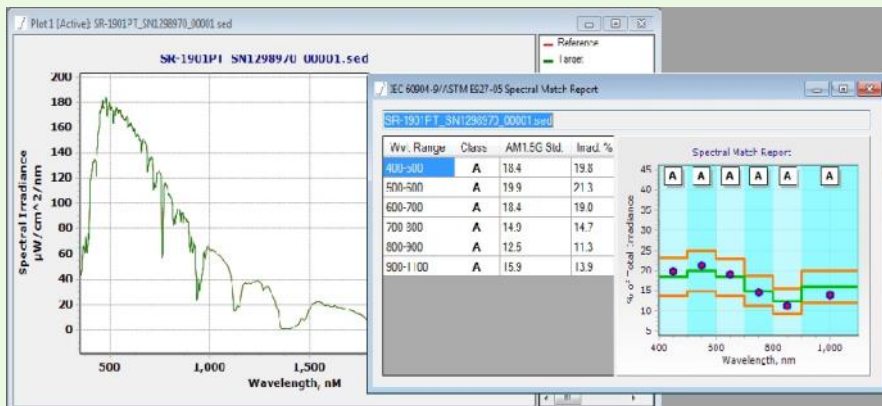
**NEW!**

from **SPECTRAL EVOLUTION**



## Introducing the SR-1901PT

- ▶ Ideal for quantification of pulsed solar simulators
- ▶ Easy pulsed setup & operation with integral phototrigger
- ▶ Compact enough to take to any measurement challenge



All SPECTRAL EVOLUTION compact spectroradiometers come with our exclusive DARWin SP Data Acquisition software which can be used for controlling the spectroradiometer and viewing of data in real time. A specialized version of our DARWin SP software includes added features for the SR-1901PT including spectral match reports for AM1.5. SPECTRAL EVOLUTION spectroradiometers are very easy to set up and use. They feature one touch controls with auto-integration, auto-ranging and all data is automatically saved as ASCII files for very easy export into most 3rd party software programs for easy data analysis.



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# SPECTRAL EVOLUTION

Compact portable spectroradiometer for pulsed solar simulators  
Technical Specifications:

## SR-1901PT

Spectral Range	280-1900nm
Spectral Resolution	4nm (280-1000nm) 10nm (1000-1900nm)
Sampling Bandwidth	1.5nm (280-1000nm) 3.8nm (1000- 1900nm)
Detectors	512-element UV-enhanced Si photodiode array 256-element TE cooled extended In-GaAs photodiode array
Integration time	1 - 50 msec (software selectable)
A/D converter	16 bit
I/O Interface	Wireless Bluetooth & USB2.0
Triggering options	External TTL port with 5 pin connector Phototrigger with SMA-905 port
Trigger delay increment	0 - 100 milliseconds
Trigger jitter	External TTL: $\leq 5\mu\text{sec}$ Photodetector jitter: $\leq 100\text{nsec}$
Spectral Match	AM1.5
Software	DARWin SP-PL Data Acquisition- Windows 7-8 compatible
Included	Spectrometer with NIST traceable irradiance calibration, 1.2 meter dual fiber optic with custom diffuser and built-in phototrigger, DARWin SP-PT software, universal 100-240v 50-60hz power supply, Pelican protective foam lined storage case



*Each SR-1901PT includes a right angle diffuser with integral phototrigger for easy set up and measurement. TTL electronic triggering is also possible.*



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