



## **PRESS RELEASE**

### **The PSR-2500 - New Design and New Improved Resolution**

*Lawrence, MA – February 27, 2018* – Spectral Evolution introduces the newly designed PSR-2500 – a full range field spectroradiometer designed to meet research needs and budgets.

The PSR-2500 picks up its new design and construction from Spectral Evolution's leading remote sensing spectroradiometer, the PSR+. This includes an anodized aluminum unibody chassis with integrated heat dispersion channels that's good looking and rugged. With no moving parts, the PSR-2500 is ideal for field research applications. In addition the instrument has been upgraded to provide improved spectral resolution:

- 3.5nm @ 700nm
- 20nm @ 1500nm
- 18nm @ 2100nm

In addition to improved resolution, the new updated PSR-2500 delivers high sensitivity for better field measurements:

- $\leq 0.8 \times 10^{-9}$  W/cm<sup>2</sup>/nm/sr @400nm
- $\leq 1.5 \times 10^{-9}$  W/cm<sup>2</sup>/nm/sr @1500nm
- $\leq 1.8 \times 10^{-9}$  W/cm<sup>2</sup>/nm/sr @2100nm

The PSR-2500 is field ready, weighing in at 7.3 lbs (3.3 kg), powered by a rechargeable lithium ion battery (two are included with the instrument) and a backpack or shoulder strap for easy field mobility. The PSR-2500 can be used with a range of direct attach lenses or a fiberoptic cable with field-of-view (FOV) lenses: 4°, 8° or 14°, a 25° fiber optic diffuser or integrating sphere. Other accessories include our pistol grip, choice of a 3mm or 10mm contact probe, desktop probe, and our unique leaf clip that keeps the source of illumination away from your sample. The PSR-2500 can store 1000 scans internally and has an LCD screen for running its DARWin SP Data Acquisition software or use the optional GETAC minicomputer to record digital images, voice notes, GPS and

altimeter readings and tag that data to the scans. All files are ASCII format for easy use with 3<sup>rd</sup> party analysis software.

The PSR-2500 is well-suited for a range of remote sensing applications, including:

- Ground truthing satellite or flyover data
- Radiance and irradiance measurement
- Crop and soil studies
- Forestry and canopy studies
- Atmospheric research
- Plant species identification
- Agricultural analysis
- Geological remote sensing

For a quote on a PSR-2500 contact [nate.bloomington@spectralevolution.com](mailto:nate.bloomington@spectralevolution.com)

For more information on the PSR-2500, or any of our remote sensing systems, visit:  
[http://www.spectralevolution.com/portable\\_spectroradiometer\\_remote\\_sensing.html](http://www.spectralevolution.com/portable_spectroradiometer_remote_sensing.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.

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