



## **PRESS RELEASE**

**Introducing the New PSR-1100F from SPECTRAL EVOLUTION – an ideal spectrometer for vegetation studies, plant science, and more.**

**The PSR-1100F offers a wide range of accessories including FOV lenses.**

*Lawrence, MA – August 27, 2013* – Looking for a spectroradiometer that you can use in the field for vegetation studies, agricultural research, crop health analysis, biomass research, studies of nitrogen levels, and more?

The newly re-designed PSR-1100F is SPECTRAL EVOLUTION's smallest, lightest, full featured field spectroradiometer. It has a spectral range of 320-1100nm and can be used with a laptop or handheld microcomputer, or as a standalone instrument with its built-in keypad and LCD display. The PSR-1100F is well suited for remote sensing and ground truthing in a very wide range of applications. It provides a 25°, one meter fiber optic cable with an industry-standard FC connections and allows the user to select from 1,2,3,4,5, and 8° field of view (FOV) lenses, or connect a handheld contact probe or our /unique leaf clip.

The PSR-1100-F features:

- Spectral range of 320 – 1100nm
- 1 meter fiber optic cable with an industry-standard FC connection
- Available with 1,2,3,4,5, and 8° fiber optic lenses
- Keypad and LCD display allow for standalone operation – system stores up to 2500 scans – or use with laptop or handheld microcomputer
- Auto-exposure and auto-dark shutter for easy one-touch operation
- Snap-in lithium-ion rechargeable battery for field use
- NIST-traceable radiance calibration for 25° fiber optic cable
- DARWin SP Data Acquisition software - easy to use, stores data as ASCII files for use with third party analysis software

The PSR-1100-F can be equipped with our innovative leaf clip for reflectance measurements. The leaf clip includes a built-in white plate, small spot, and low power illumination. It allows you to measure a small leaf without damaging the sample. You can also attach a handheld contact probe with a comfortable pistol grip, a built-in light source, and integral power triggering cable, well-suited for measurement and analysis in the field.

With DARWin SP Data Acquisition software, researchers also have access to pull-down menus for the USGS spectral library, as well as 19 vegetation indices, including NDVI, SR, SAVI, ARVI, EVI, IPVI, PRI, WBI, PAR, and more.

For more information on this the PSR-1100F, 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.

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