PRESS RELEASE

Simultaneously Measure Upwelling and Downwelling With A Field Unit Or In A Standalone Configuration.

The UDS-1100 and UDS-1100SA field spectroradiometers capture both measurement modes across a 320-1100nm spectral range.

Lawrence, MA – April 24, 2014 – The SPECTRAL EVOLUTION UDS-1100 allows you to simultaneously capture and plot upwelling and downwelling radiation in the 320-1100 nanometer range. The UDS-1100 is available in two configurations: as a standard package for operator field use, and the UDS-1100SA, an unattended standalone configuration.

The UDS-1100 uses a single, 512-element photo diode array. Using a 4° weather-proof field-of-view (FOV) lens for upwelling radiance data and integrated diffuser receptor for downwelling irradiance, the UDS-1100 is NIST-calibrated and available in a rugged NEMA enclosure for field installation.

With a PC attached through a USB or optional Bluetooth connection and loaded with DARWin SP Data Acquisition software, an operator can collect scans. The optional UDS-1100SA can be set up to collect scans automatically at user-specified intervals. In standalone configuration the system includes a re-chargeable lithium-ion battery that can scan continuously for up to 24 hours. This configuration collects and stores up to 800 full upwelling and downwelling scans before it requires off-loading via a PC.

The UDS-1100 is well-suited for a range of applications, including:

- Soil and crop studies
- Research into the spectral characteristics of vegetation, including plant canopies
- Forest canopy studies accounting for the effects of light and shade on leaves and soil

- Ocean, seabed, and water body studies looking at chlorophyll concentration for sea grass and coral reef health
- Snow and ice studies as part of environmental research
- Weather station research including studies on UV and variations in long-term radiation
- Meteorological measurements at remote locations

The UDS-1100 and UDS-1100SA weigh four pounds, use a USB interface for communications, are compact at 10 inches by 12.5 inches by 6 inches, and can be mounted on a tripod or wall-mounted or pole mounted with a bracket depending on the installation. The rugged plastic NEMA case ensures reliable high performance. For installations that require greater battery power, for example a 12V automotive or marine battery, optional power connectors are available.

For more information, visit: http://www.spectralevolution.com/UDS_1100.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.

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