



PRESS RELEASE

Field spectroradiometers for forest canopy research.

Take advantage of the benefits of NIR spectroscopy for a wide range of forest canopy studies.

Lawrence, MA – January 15, 2014 – SPECTRAL EVOLUTION designs field spectroradiometers that are well-suited for a wide range of forest canopy research projects. These spectroradiometers allow a researcher to analyze vegetation very quickly and measure different characteristics in a single scan without affecting the sample at all.

Typical projects can include:

- Environmental studies using leaf reflectance measurements as indicators of canopy health
- Discrimination and identification of different plant species
- Nitrogen cycling and whole canopy photosynthetic capacity
- Biomass studies in closed canopy environments
- Leaf morphology, distribution, allocation, and orientation
- Canopy moisture content
- Measurement of vegetation for chlorophyll, lignin, cellulose, and hemi-cellulose

With a non-destructive, field portable spectroradiometer from SPECTRAL EVOLUTION, a researcher can measure important characteristics that indicate health, stress, infestation, pollution, climate change, drought, fertilization, and more from a single field scan. The scans collected can be analyzed using 19 vegetation indices accessible from a pull down menu in our DARWin SP Data Acquisition software or, they can be analyzed using third party software packages. DARWin SP saves the scans as ASCII files for easy use with 3rd party software without any pre-processing.

The following spectroradiometers are available for forest canopy studies:

- PSR-3500 – field portable – 350-2500nm spectral range
- RS-3500 – spectroradiometer for remote sensing and accessories

- PSR-1100-F – handheld unit with LCD display and keypad built-in, 320-1100nm
- UDS-1100 – simultaneous upwelling/downwelling measurement, 320-1100nm

For more information, visit:

http://www.spectralevolution.com/portable_spectroradiometer_canopy.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.

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