



## **PRESS RELEASE**

### **Looking for an Accurate, Affordable Single InGaAs Array Spectrometer for Lab Applications?**

#### **The LF-Series from SPECTRAL EVOLUTION is the Ideal Entry-Level NIR Spectrometer.**

*Lawrence, MA – November 14, 2012* – An accurate, affordable, entry-level family of lab spectrometers, the SPECTRAL EVOLUTION LF-Series offers a range of NIR spectrometer capabilities for applications that include:

- General spectroscopy
- Water and moisture analysis
- Process monitoring
- Petrochemical analysis and refining studies
- Environmental studies
- Food and grain analysis
- Polymer characterization and analysis

Entry level pricing doesn't have to mean entry level features or performance. The LF-Series spectrometers all use an all photodiode array optical system directly mated to fiber optic to deliver maximum throughput and the following benefits:

- Reliability, with no moving parts
- Autoexposure, autoscaling, and auto-dark shutter for fast, accurate, one-touch scans
- Stable, thermo-electrically (TE) cooled InGaAs array
- USB and wireless Bluetooth communications
- A wide choice of entrance optics, including fiber, lens, integrating sphere, or right angle diffuser
- Standard bench package with SMA-905 input
- DARWin Data Acquisition software

- Optional battery operation with two rechargeable Li-ion battery packs

Each LF-Series spectrometer is equipped with the exclusive DARWin SP Data Analysis software package so you can take advantage of the following analysis features:

- Automatically saves data as an ASCII file to 3<sup>rd</sup> party software – no extra export function is necessary
- Collect reference or target data with a single click
- Display reflectance/transmittance data (percentage) or absorbance (logarithmic) versus wavelength
- Single and multiple spectral plots available
- Compare current scans against libraries

The LF-Series is powered by a single InGaAs photodiode array for reliable operation with no moving parts. Models in the LF-Series include:

- LF-2500 – 1000-2500nm spectral range
- LF-2300 – 1850-2500nm spectral range
- LF-2100 – 1100-2500nm spectral range
- LF-1250 – 900-1700nm spectral range

For more information on these lab spectrometers, please visit:

[http://www.spectralevolution.com/LF-Series\\_spectrometers.html](http://www.spectralevolution.com/LF-Series_spectrometers.html)

For information on portable spectrometers, visit:

[http://www.spectralevolution.com/portable\\_spectroradiometer.html](http://www.spectralevolution.com/portable_spectroradiometer.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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