



## **PRESS RELEASE**

**The SR-4500A is designed for applications that require precise, stable, repeatable performance.**

*Lawrence, MA – March 27, 2018* – Using all thermoelectrically cooled photodiode arrays, the SR-4500A spectroradiometer is built specifically for the performance demands of radiometric calibration transfer. With the SR-4500A, you can take the calibration process where it's needed with the following advanced features:

- Drift stability of 0.1% which delivers greater accuracy for long-term stability of integrating spheres
- Stability is achieved through heating and cooling thermal management features
- A temperature controller maintains the instrument housing at a stable temperature along with the individually temperature stabilized detector arrays
- All temperatures are integrated into DARWin software readout for monitoring

The SR-4500A was built to meet the exacting needs of customers for measuring temporal stability. The SR-4500A also features:

- Spectral range of 350-2500nm
- 512 element TE cooled silicon photodiode array (350-1000nm)
- 256 element TE cooled extended In GaAs array (1000-1900nm)
- 256 element TE cooled extended In GaAs array (1900-2500nm)

In addition to stability, the SR-4500A also provides superior Noise Equivalence Radiance capabilities:

Noise Equivalence Radiance (with 1.2 meter fiber optic)

$0.2 \times 10^{-9} \text{ W/cm}^2/\text{nm/sr}$  @ 400nm

$0.2 \times 10^{-9} \text{ W/cm}^2/\text{nm/sr}$  @ 700nm

$0.9 \times 10^{-9} \text{ W/cm}^2/\text{nm/sr}$  @ 900nm

For more information on the SR-4500A, please contact:

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**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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