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For more information contact:

Gary Wagner, President, Ophir-Spiricon, [gary.wagner@ophir-spiricon.com](mailto:gary.wagner@ophir-spiricon.com)

Shari Worthington, PR Counsel, Telesian Technology, [sharilee@telesian.com](mailto:sharilee@telesian.com)

## Ophir Photonics Announces New Laser Power/Energy Sensor for Measuring at THz Wavelengths

January 19, 2011 – Logan, UT – Ophir Photonics Group, the global leader in precision laser measurement, today announced the **3A-P-THz THz Power/Energy Sensor**. The 3A-P-THz is designed to measure THz light sources from very low power to very high power, up to 3W, 30x the power levels of competing products. In addition, it is the only power/energy sensor on the market that is traceable to standard laboratory calibration. A standard sensor head, the 3A-P-THz is less expensive than traditional systems and is compatible with all Ophir meters and PC interfaces.

The **3A-P-THz** is the only power/energy meter to have been calibrated to read THz radiation at the PTB national metrology institute in Germany. It measures short pulse or CW lasers in the 0.1 to 10THz wavelength range. The sensor's p-type absorber provides a larger aperture and flatter spectral response than most similar devices, maximizing performance across the entire spectral range. Optical power can be measured from 60 $\mu$ W to 3W, and energy from 20 $\mu$ J to 2J.

“Existing THz detectors provide a limited range of capabilities,” stated Ephraim Greenfield, CTO, Photonics Group, Ophir-Spiricon. “The 3A-P-THz is the first to provide high power readings that are 30 times the level of existing sensors. It is also the first to provide traceable calibration that ensures high accuracy and reliability when measuring THz sources.”

Ophir-Spiricon, LLC  
60 West 1000 North  
Logan, UT 84321  
Tel: 435-753-3729  
Fax: 435-755-5454  
[www.ophir-spiricon.com](http://www.ophir-spiricon.com)

The **3A-P-THz** power/energy sensor works with all Ophir smart displays or PC interfaces, including the **Orion PE, Nova, Nova II, Vega, LaserStar, USBI, Pulsar, and Quasar**. Each display features a “Smart Connector” interface that automatically configures and calibrates the display when plugged into one of the company’s measurement heads.

### **Availability & Pricing**

The **3A-P-THz Power/Energy Sensor** is available now. OEM pricing is available on request.

### **About Ophir-Spiricon**

Ophir-Spiricon is part of the Ophir Photonics Group. With over 30 years of experience, the Laser Measurement Group provides a complete line of instrumentation including power and energy meters, beam profilers, spectrum analyzers, and goniometric radiometers. Dedicated to continuous innovation in laser measurement, the company holds a number of patents, including **Ultracal™**, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The recently acquired Photon family of products includes **NanoScan** scanning-slit technology, which is capable of measuring beam size and position to sub-micron resolution. The company’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit <http://www.ophiropt.com/photonics>

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Gary Wagner, President  
Ophir-Spiricon, LLC  
60 West 1000 North  
Logan, UT 84321  
Tel: 435-753-3729  
E-mail: [gary.wagner@ophir-spiricon.com](mailto:gary.wagner@ophir-spiricon.com)  
Web: [www.ophiropt.com/photonics](http://www.ophiropt.com/photonics)

#### **PR Office:**

Shari Worthington  
Telesian Technology  
49 Midgley Lane  
Worcester, MA 01604  
Tel: 508-755-5242  
E-mail: [sharilee@telesian.com](mailto:sharilee@telesian.com)

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