



FOR IMMEDIATE RELEASE

For more information contact:

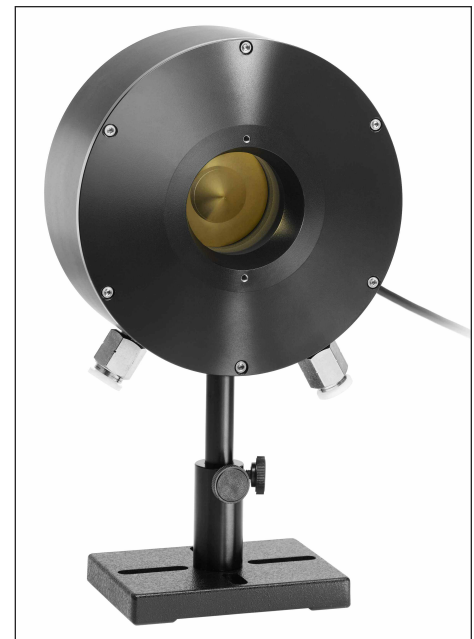
Gary Wagner, President, Ophir-Spiricon, gary.wagner@ophir-spiricon.com

Shari Worthington, PR Counsel, Telesian Technology, sharilee@telesian.com

Ophir-Spiricon Introduces 10KW Power/Energy Sensor, the First to Directly Measure Very High Laser Power and Power Density

September 28, 2009 – Logan, UT – Ophir-Spiricon, the global leader in precision laser measurement equipment, today announced the **10KW Power/Energy Sensor**, the first detector to directly measure very high powers and power densities. Designed for material processing applications, such as welding and metal cutting, the 10KW measures YAG and fiber lasers in the 1040-1100 nm range, and CO2 lasers at 10.6 microns. A wide aperture of 45 mm allows for measurement of broad beams. The maximum power for concentrated beams is up to 10KW/cm². The maximum energy density for a 10 ms pulse is up to 150 J/cm².

“The drive for higher laser powers had led to higher processing efficiency from the laser,” said Gary Wagner, President of Ophir-Spiricon, Inc. “But powers over 5KW at high power densities have been a challenge to measure due to the lack of technologies available to handle the power density. Indirect measurement methods, such as beam samplers, depend on the calibration accuracy of the beam splitter, which can change when exposed to very high power densities. Systems that use a



Ophir-Spiricon Inc.
60 West 1000 North
Logan, UT 84321
Tel: 435-753-3729
Fax: 435-755-5454
www.ophir-spiricon.com

rise in water temperature to gauge laser power are bulky, complicated to use, and have a slow response time.”

“The 10KW power/energy sensor uses a reflective cone to deflect the laser beam over the peripheral circumference of the sensor,” stated Ephraim Greenfield, CTO, Laser Measurement Group, Ophir-Spiricon, Inc. “This increases the radiated area and reduces the power density to manageable levels. The end result is a fast and accurate measurement for what had previously been difficult to read, and therefore, control.”

The **10KW Power/Energy Sensor** features Ophir Smart Connector technology that automatically configures and calibrates connected displays, including the company’s **Orion PE, Nova, Nova II, Vega, LaserStar, USBI, Pulsar, and Quasar.**

Pricing and Availability

The **10KW Power/Energy Sensor** is available now. OEM pricing is available on request. The data sheet can be viewed online at

<http://www.ophiropt.com/laser-measurement-instruments/laser-power-energy-meters/products/smart-sensors/thermal-sensors-high#>

About Ophir-Spiricon

Established in 1978, Ophir-Spiricon is part of the Ophir Optronics Laser Measurement Group. The Laser Measurement Group provides a complete line of instrumentation including power and energy sensors, beam profilers, and spectrum analyzers. 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 company’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit www.ophir-spiricon.com.

###

For more information, contact:

Gary Wagner, President
Ophir-Spiricon Inc.
60 West 1000 North
Logan, UT 84321
Tel: 435-753-3729
E-mail: gary.wagner@ophir-spiricon.com
Web: www.ophir-spiricon.com

PR Office:

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

© 2009, Ophir-Spiricon Inc. Ultracal and BeamGage are trademarks of Ophir-Spiricon Inc. All other trademarks are the registered property of their respective owners.