FOR IMMEDIATE RELEASE

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Ophir Photonics’ 30K-W Power Meter
Directly Measures Very High Power Lasers

May 13, 2013 — Munich, Germany — Ophir Photonics, the global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the 30K-W Laser Power Meter at LASER World of Photonics. The latest addition to the company’s line of very high power laser detectors, the 30K-W meter was created for material processing lasers used in such applications as metal cutting and welding. It features a unique design that allows direct measurement of very high powers and power densities. The 30K-W measures YAG and fiber lasers in the 800-2000 nm range, and CO2 lasers at 10.6 microns. A wide aperture of 74 mm allows it to handle large diameter beams.

“Traditionally, high power lasers have been measured with methods that use the flow rate and temperature of the sensor’s coolant to estimate the power of...
“the absorbed beam,” stated Ephraim Greenfield, CTO, Ophir Photonics. “These approaches are slow, bulky, and complicated because the sensor is sensitive to issues related to water flow. The 30K-W power meter uses the same proven design as the popular 10K-W meter. The devices directly measure actual heat flow through the sensor disc. The result is faster response time, higher maximum power densities, and more reliable measurements.”

The **30K-W Laser Power Meter** is based on thermopile technology. A reflective cone deflects the laser beam onto the inner circumference of the sensor. This increases the radiated area and reduces the power density to manageable levels. The response time is less than 10 seconds. It can withstand a maximum power density of up to 10 kW/cm².

The **30K-W Power Meter** features Ophir’s “Smart Connector” interface that automatically configures and calibrates connected displays, including the company’s **StarLite, Nova II, Vega**, and **Juno**.

**Pricing and Availability**


**About Ophir Photonics**

With over 30 years of experience, Ophir Photonics, a Newport Corporation brand, 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 the award-winning **BeamTrack** power/position/size meters and Spiricon’s **Ultracal™**, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The Photon family of products includes **NanoScan** scanning-slit technology, which is capable of measuring beam size and position to sub-micron resolution. The company is **ISO/IEC 17025:2005** accredited for calibration of laser measurement instruments. Their modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit [http://www.ophiropt.com/photonics](http://www.ophiropt.com/photonics)

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