FOR IMMEDIATE RELEASE

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Ophir Photonics Introduces
Pyroelectric Laser Sensors with Industry’s
Widest Dynamic Range, Highest Damage Thresholds

November 26, 2012 — North Logan, UT – Ophir Photonics Group, the global leader in precision laser measurement equipment and a Newport Corporation brand, today announced two new Pyroelectric Laser Energy Sensors, the PE50BF-DIFH-C and the PE100BF-DIF-C. They are part of Ophir’s PE-C line of pyroelectric pulsed sensors – compact devices that provide the industry’s lowest measurable energy, longest measurable pulse width, and highest accuracy. The new sensors feature an innovative BF coating and diffuser that deliver the highest damage thresholds: up to 6J/cm² for nanosecond pulses.

The new PE-C laser energy sensors are designed for high power, short pulse YAG laser and harmonic generation applications in a broad range of industries, from cosmetic surgery to fluid dynamics to cutting and welding. These compact devices
provide a user adjustable threshold, preventing false readings in noisy environments. They support repetition rates up to 250Hz and pulse widths up to 20ms. In addition, the sensors provide:

- **PE50BF-DIFH-C**: energy measurement down to 200µJ, special diffuser for even higher damage thresholds up to 6J/cm²
- **PE100BF-DIF-C**: energy measurement down to 0.7mJ, damage thresholds up to 3J/cm²

“Ophir broke new ground in the industry with last year’s introduction of the PE-C family of pyroelectric sensors that combine highest damage thresholds with high repetition rates and lowest measurable energies,” said Gary Wagner, General Manager, Ophir Photonics (U.S.). “As next generation lasers employ higher powers and energy levels, measurement becomes even more critical to ensure accuracy and safe operation. These newest sensors keep pace with high-performance applications by allowing high energy densities to 6J/cm².”

The **PE-C** line of laser energy sensors works with most Ophir smart displays or PC interfaces, including the **Nova II**, **Vega**, and **Juno**. Each display features a “Smart Connector” interface that automatically configures and calibrates the display when plugged into one of the company’s measurement sensors.

**Availability & Pricing**
The **PE50BF-DIFH-C** and **PE100BF-DIF-C** sensors are available now. OEM pricing is available on request.

The data sheets can be viewed at:

**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 Ophir-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’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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