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Ophir Photonics Announces Industry's First Shock Absorber for Laser Power/Energy Sensors

January 24, 2011 – San Francisco, CA – Ophir Photonics Group, the global leader in precision laser measurement, today announced the **Shock Absorber at Photonics West 2011**. The Shock Absorber is the industry's first mounting post designed to allow the operation of sensitive pyroelectric laser power/energy sensors in an environment with vibration. This special mount smoothes out vibration and eliminates false triggering, reducing the sensor's susceptibility to vibration from 2 to 10 times.

“Pyroelectric energy sensors measure the heat deposited in repetitive laser pulses,” stated Ephraim Greenfield, CTO, Photonics Group, Ophir-Spiricon. “However, they are sensitive to acoustic signals as well as thermal. Therefore, they can give false readings when subjected to vibration or shock. Some laser power/energy sensors include a user settable minimum energy setting to eliminate false readings due to noise. But this approach reduces the sensitivity for good signals as well. The Shock Absorber is the first device in the industry to eliminate false signals and leave in tact the sensitivity to good signals. This provides more accurate



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measurement of low energy pulsed lasers which are often operating in noisy environments.”

Laser sensor heads are often mounted on vibrating tables, especially in laser systems that have vibrating parts. The vibration can cause false triggering of the sensor. The **Shock Absorber** mounting post features a screw embedded in rubber that provides a flexible barrier between the post and the sensor head. This significantly reduces false triggering.

The **Shock Absorber** mounting post works with all Ophir energy sensors, including the PE Series of pyroelectric detectors that provide the highest damage threshold, highest pulse energies, and widest spectral range in the industry.

Availability & Pricing

The **Shock Absorber** mounting post 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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