FOR IMMEDIATE RELEASE

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Ophir Photonics Introduces New, Highest Damage Threshold Coating for High Power Laser Sensors

January 6, 2014 — North Logan, UT — Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the addition of a more damage resistant coating to the company’s high power laser sensors in the 300W to 1500W range. The L300W-LP, FL400A-LP, 1000W-LP, and L1500W-LP now feature the improved LP1 absorber. Designed for continuous power and long >1ms pulses, this coating provides a damage threshold of 2X higher than competitive models.

“The LP1 absorber coating provides Ophir’s high power laser sensors with the highest damage thresholds in the industry,” said Ephraim Greenfield, CTO, Ophir Photonics. “Traditional surface absorbers have a much lower damage threshold at >1000W. They can damage at 2-3 kW/cm². We have developed a denser coating that has higher heat resistance, thus improving the damage
threshold for our high power lasers. The LP1 coating also has a much higher damage threshold for long pulses reaching power damage thresholds of over 200 J/cm² for 10 ms pulses.”

The LP1 absorber coating is now available on the following high power, large aperture laser sensors:


**Availability**
The LP1 absorber coating is available now on the L300W-LP1-50, FL400A-LP1-50, 1000W-LP1-34, and L1500W-LP1-50.

**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

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