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Ophir Photonics Announces High Damage Threshold Sensor for Measuring Low Average Power Pulsed Lasers

EDITORS: High resolution images are available for download
at <http://www.telesian.com/marketing/vpr/os/os122115-01.cfm>

December 21, 2015 – North Logan, UT – Ophir Photonics Group, the global leader in precision laser measurement equipment and a Newport Corporation company, today announced the **3A-PF-12** thermal power/energy laser measurement sensor for short pulsed lasers. Part of the 3A-P family of laser sensors that measure power up to 3W, the 3A-PF-12 is an ultra sensitive sensor that can measure powers from as low as 15 μ W up to 3W and energies from as low as 20 μ J to 2J. The new sensor replaces the P type absorber with the high damage threshold PF type, giving it the industry's highest energy density damage threshold for repetitive pulses.

Designed for use with YAG and its harmonics and excimer lasers, the **3A-PF-12** is a thermal power/energy sensor with low noise of 4 μ W and low drift of 5-30 μ W. It delivers the highest energy density damage threshold in



the industry, up to 1.5J/cm² for repetitive ns pulses. The sensor features a 12mm aperture and broad wavelength range of 0.15 – 20μm.

Availability

The **3A-PF-12** is available now. OEM pricing is available on request.

- 3A-PF-12 data sheet: <http://ow.ly/VZl9V>
- 3A-P family absorption and damage graphs: <http://ow.ly/VZlFo>

About Ophir Photonics

With over 35 years of experience, Ophir Photonics, a Newport Corporation company, 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 R&D 100 award-winning **BeamTrack** power/position/size meters; **BeamWatch**®, the industry's first non-contact, focus spot size and position monitor for lasers in material processing; 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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