



## FOR IMMEDIATE RELEASE

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# Ophir Photonics Announces the Helios Laser Power Meter for Measuring High Power Lasers in Industrial Automation Applications

**EDITORS:** High resolution images are available for download at <http://www.telesian.com/marketing/vpr/os/os053116-01.cfm>

**VIDEO:** Intro to Helios Industrial Laser Power Meter  
<http://ow.ly/ypdn300lde7>

May 31, 2016 – North Logan, UT – Ophir Photonics Group, a Newport Corporation company celebrating 40 years of excellence as the global leader in precision laser measurement equipment, has announced the **Helios**, a compact laser power meter for measuring high power lasers in industrial processing applications. The Helios measures high power solid state lasers – such as diode, fiber, and Nd:YAG lasers – with powers from 100W to 12kW and energies from 10J to 10kJ. For ease of integration into industrial automation networks, the power meter includes easy-to-use PC software and communicates via PROFINET industrial Ethernet and RS232 serial



communications.

The **Helios** operates by measuring the power, energy, and exposure time of a short 0.1 to 10s exposure to the high power laser and then calculating power. By keeping the pulse energy under 10kJ, there is no need for water or fan cooling. This results in a convenient, compact design. The Helios has a high damage threshold of over 6kW/cm<sup>2</sup>, a fast 2s response time, and short 10s wait between pulse measurements.

“It’s challenging to work with high power lasers, from juggling many parameters to finding ways to handle the varying quality of the focal spot due to excessive heat generation,” said Ephraim Greenfield, CTO, Ophir Photonics. “The Helios delivers unrivaled technical features, including high accuracy, high repeatability, and a fast response time, all without water or fan cooling.”

The **Helios** is housed in a dust-resistant industrial enclosure to keep the power meter in clean working order, even under harsh factory conditions. The sensor’s cover can be opened and closed remotely, protecting the optics and electronics when not in use.

### **Availability**

The **Helios** laser power meter will be available in Q3 2016. OEM pricing is provided on request.

VIDEO: <http://ow.ly/ypdn300lde7>

PRODUCT PAGE: <http://ow.ly/22A4300kRT3>

### **About Ophir Photonics**

With over 40 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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