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Ophir Photonics Announces StarBright, Advanced Laser Power/Energy Meter with Multiple Display Formats

**Users can choose Digital with Bargraph, Analog Needle, Line Plot,
Position, Stability, and Real-Time Statistics Displays**

EDITORS: High resolution images are available for download
at <http://www.telesian.com/marketing/vpr/os/os062315-01.cfm>

June 23, 2015 – Munich, Germany – Ophir Photonics Group, the global leader in precision laser measurement equipment and a Newport Corporation company, today announced at **LASER World of PHOTONICS 2015** the **StarBright** laser power/energy meter, the most advanced of Ophir's family of laser meters. StarBright is a feature-rich, handheld laser power/energy meter that measures power, single shot energy, repetitive energy, frequency, and beam size for the company's wide range of thermal, pyroelectric, and photodiode laser sensors. In addition, it measures irradiance and dosage for the new **PD300RM** radiometer sensors. When used with Ophir's award-winning **BeamTrack** power/position/size



sensors, the new meter can also monitor laser beam size and track beam position to fractions of a mm. StarBright features a brightly lit, 320x240 pixel color display with large, 16mm digits for enhanced readability of power and energy measurements, from pW to kW's and pJ to hundreds of Joules.

StarBright gives users a choice of display formats: digital with bargraph or analog needle. The digital screen can average measurements over selected periods of time, which is especially useful for unstable lasers. The analog needle display is designed for adjusting and maximizing laser power or energy. StarBright also provides a line graph that tracks measurements over time, as well as an option to show measurement statistics on the same screen as the power/energy display. Mathematical functions are available for advanced processing, including density, scale factor, pass/fail inspection. Every data point can be logged at up to 5000Hz from Ophir's pyroelectric sensors.

StarBright works with **StarLab** laser measurement software and **StarCom** data logging software. A LabVIEW® driver and COM object allow developers to integrate laser beam measurements into sophisticated programming environments, such as LabVIEW®, Microsoft's® Visual Basic, and MatLab®

StarBright's brightly lit display allows illumination of the power meter in low light conditions. Like other Ophir smart displays – **Nova II**, **Vega**, **Juno**, and **StarLite** – StarBright features a “smart connector” interface that automatically configures and calibrates the display when plugged into one of the company's measurement sensors.

A compact, handheld unit, **StarBright's** design incorporates rubberized bumpers and an optimum angle kickstand. It can be operated from a rechargeable battery or connected to an AC source.

Availability

The **StarBright** power/energy meter will be available Q3 2015. OEM pricing is available on request.

StarBright data sheet: <http://ow.ly/O2zI8>

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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