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Ophir Photonics Adds USB Communications to StarLite, Low Cost, Handheld Laser Power / Energy Meter

July 28, 2014 — North Logan, UT — Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the USB option for **StarLite**, the company's low cost, handheld laser power / energy meter. The USB option allows StarLite to communicate directly with a PC via USB; it also allows the meter to display all measurements on the company's **StarLab 3.0** laser measurement software. A compact, handheld unit, StarLite displays a variety of beam measurements, including power, single shot energy, energy and frequency of high repetition rate lasers, and beam position and size. A large, 320x240 pixel TFT display with 16mm digits provides increased legibility, and monitors power from pW to many kW or energy from pJ to hundreds of Joules. The USB option adds PC communication and data processing capabilities.



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StarLite monitors power and energy for all Ophir thermopile, pyroelectric, and photodiode sensors. The meter can also monitor laser beam size and accurately track beam position to fractions of a mm when used with Ophir's **BeamTrack**, Ophir's thermal detectors that combine multiple functions in one device: power, energy, beam position, and beam size.

StarLite is shipped with **StarLab 3.0**, laser measurement software that converts a PC into a multi-channel laser power/energy station. StarLab graphically displays power meter data as line plot, histogram, bar chart, or simulated analog needle. The software also provides icons and graphics that guide the user through the application, screen capture and print, reverse highlighting of the numeric display. A COM object allows developers to integrate laser beam measurements into sophisticated programming environments, such as Microsoft's® Visual Basic, LabVIEW®, and MatLab®.

StarLite features a "Smart Connector" interface that automatically configures and calibrates the display when plugged into one of the company's measurement sensors.

Pricing and Availability

The **StarLite** power /energy meter with USB communications is available now. **StarLab 3.0**, included free of charge, runs on Microsoft® Windows® XP, Vista (32-bit), and Windows 7 (32-bit and 64-bit), and Windows 8 platforms. OEM pricing is available on request.

StarLite data sheet: <http://bit.ly/1rPh8Qi>

StarLab 3.0 data sheet: <http://bit.ly/1aZxwK6>

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 **R&D 100** 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.

ited 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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