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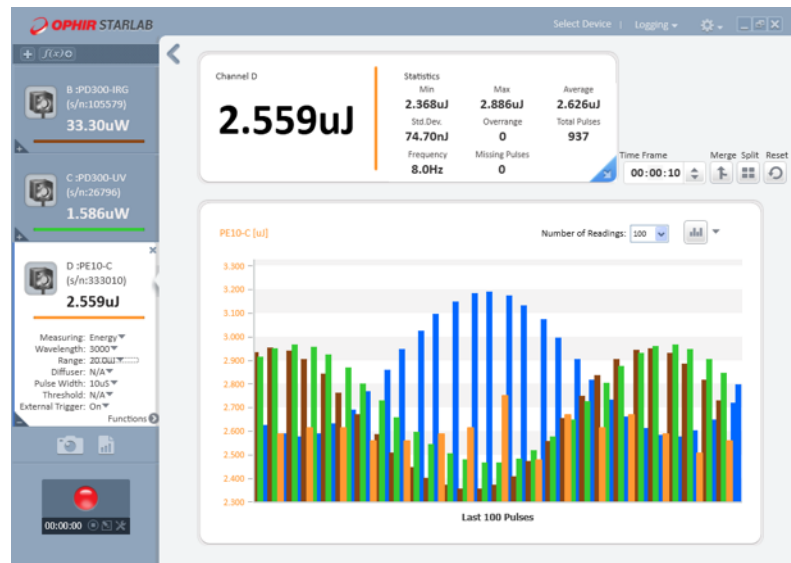
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MKS' Ophir® StarLab 3.30, Laser Power / Energy Measurement Software

Andover, MA – June 13, 2017 – [MKS Instruments, Inc.](http://www.mksinst.com) (NASDAQ: MKSI), a global provider of technologies that enable advanced processes and improve productivity, has announced Ophir® **StarLab 3.30**, easy-to-use laser measurement software that turns a PC into a multi-channel laser power / energy display station. The new version supports expanded network access via the Ophir EA-1 Ethernet Adapter or Quasar Bluetooth Adapter, user-defined pass/fail limits, and multiple pre-defined startup configurations.

StarLab 3.30 provides graphic display of data in the form of line plots, histograms, bar charts, and simulated analog needles; data can be displayed separately or in multiple data sets on one graph. Advanced measurement processing functions include power / energy density, multi-channel comparisons, and user-defined mathematical equations. New user-defined pass/fail limits allow selection of the upper and lower bounds of an acceptable measurement. Then, working in conjunction with the software's Screen Capture feature, the user can generate final inspections reports. Users can also pre-define a variety of different startup configurations.

StarLab 3.30 now supports an expanded set of network adapters. The Ophir **EA-1 Ethernet Adapter** connects Ophir's smart laser sensors directly to an Ethernet network, no PC connection required. The Ophir **Quasar Bluetooth Adapter** is a wireless Bluetooth interface that broadcasts laser meter data to any PC or laptop within 10 meters.



StarLab 3.30 works with all types of Ophir sensors. Data can be collected from thermal, pyroelectric, and photodiode heads using any of Ophir's laser power/energy meters, PC interfaces, or combinations of the two.

Availability & Pricing

StarLab 3.30 laser measurement software runs on Windows® XP / 7 / 8 / 10, 32-bit and 64-bit systems. The software is available now. OEM prices available on request.

VIDEO: <http://ow.ly/sTmL30coOst>

DATA SHEET: <http://ow.ly/Zq6c30cfkT7>

About MKS Instruments

MKS Instruments, Inc. (NASDAQ: MKSI) is a global provider of instruments, subsystems and process control solutions that measure, control, power, monitor, and analyze critical parameters of advanced manufacturing processes to improve process performance and productivity. Our products are derived from our core competencies in pressure measurement and control, flow measurement and control, gas and vapor delivery, gas composition analysis, residual gas analysis, leak detection, control and information technology, ozone generation and delivery, RF & DC power, reactive gas generation, vacuum technology, photonics, sub-micron positioning, vibration isolation and optics. Our primary served markets include semiconductor capital equipment, general industrial, life sciences and research. Additional information can be found at www.mksinst.com.

About the Ophir Brand

With over 40 years of experience, the Ophir brand comprises a complete line of instrumentation, including power and energy meters and beam profilers. Dedicated to continuous innovation in laser and LED measurement, MKS, through its Ophir brand, 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 Ultracal™, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The NanoScan family of scanning-slit technology products are capable of measuring beam size and position to sub-micron resolution. The Ophir Optics products include high performance IR thermal lenses and optical elements for the defense, security, and commercial markets, as well as high quality optics for high power CO² lasers and 1 micron lasers for cutting, welding, drilling, and 3D printing systems. Ophir 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/>.

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