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## MKS Announces Ophir® Juno+, Compact USB Module That Turns PC into Laser Power/Energy Meter

Andover, MA – June 25, 2019 – [MKS Instruments, Inc.](http://www.mksinst.com) (NASDAQ: MKSI), a global provider of technologies that enable advanced processes and improve productivity, has announced the **Ophir® Juno+ USB Interface** at Laser World of Photonics. A smart, compact USB module, the Juno+ turns a PC or laptop into a full laser power/energy meter. It connects any of the 100+ Ophir smart laser sensors – thermal, pyroelectric, and photodiode – to a PC USB port, including the BeamTrack family of thermal sensors that combines multiple functions into one device: laser power, energy, beam position, and beam size. The Juno+ operates with **StarLab** software to log power and energy, as well as calculate and display averages, statistics, and histograms.

**Juno+** is a plug and play module that can be used with a wide variety of laser measurement sensors. Several sensors can be connected to a PC using one Juno module for each sensor; if needed, a USB hub can be used to connect up to eight (8) sensors to one PC. Unlike some competitive offerings, Juno+ uses a standard USB cable and can be unplugged from one sensor and used on another. No power source is required. A scalable analog output is provided for synchronizing power readings with an outside controller. System integrator tools, LabVIEW VIs and COM Object Interface, are included.

"Juno+ is a true USB device that works with all Ophir sensors, including a scalable analog output for connection with an outside controller," stated Reuven Silverman, General Manager for the Ophir business unit. "Unlike sensors with the USB unit built into the cable, Juno+ can be attached and unattached at will, obviating the need to buy



a separate USB interface for each sensor. And with Juno+, you can use the same sensor with a direct PC connection or with a standard meter."

### **Availability**

The **Ophir Juno+** USB interface is available now. OEM pricing is available on request.

Juno+ data sheet: <http://ow.ly/SDUA50uCDoc>

### **About MKS Instruments**

MKS Instruments, Inc. is a global provider of instruments, subsystems and process control solutions that measure, monitor, deliver, analyze, power and control critical parameters of advanced manufacturing processes to improve process performance and productivity for our customers. 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 technology, ozone generation and delivery, power, reactive gas generation, vacuum technology, lasers, photonics, sub-micron positioning, vibration control, optics and laser-based manufacturing solutions. We also provide services relating to the maintenance and repair of our products, installation services and training. Our primary served markets include semiconductor, industrial technologies, life and health sciences, research and defense. Additional information can be found at [www.mksinst.com](http://www.mksinst.com).

### **About the Ophir Brand**

Ophir is a brand within the MKS Instruments Light & Motion division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters, laser beam profilers measuring femto-watt to hundred-kilowatt lasers, high-performance IR and visible optical elements, IR thermal imaging lenses and zoom lenses for defense and commercial applications, OEM and replacement high-quality optics and sub-assemblies for CO<sub>2</sub> and high-power fiber laser material processing applications. Ophir products enhance our customers' capabilities and productivity in the semiconductor, industrial technologies, life and health sciences, research and defense markets. For more information, visit [www.ophiropt.com](http://www.ophiropt.com).

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