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## New Ophir® PD300-MS Power Meter for Fluorescence Microscopy Measures High NA Microscope Objectives

Andover, MA – May 23, 2018 – [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® PD300-MS** microscope slide power meter for accurate measurements of light emitted from fluorescence microscopes. The PD300-MS measures power levels of high numerical aperture (NA) objectives, from 5 $\mu$ W to 1W. A special filter provides low angular dependence, enabling higher accuracy measurements. NIST-traceable calibration allows for measurement of wavelengths from 350nm to 1100nm. The power meter is designed for use with a wide range of light sources in such applications as photoactivation or photobleaching. To accommodate limited space, it has the same footprint as a standard microscope slide. The PD300-MS can be used at the sample plane in air or with water/oil immersion objectives without damage.

“A precisely defined amount of applied power is crucial for the repeatability of fluorescence microscopy experiments; however, the power output of light sources changes over time,” said Isabelle Okashi, PhD, General Manager, Ophir Photonics Israel. “Using the PD300-MS, an accurately calibrated power meter, in the object plane makes it possible to measure the exact amount of light applied to a specimen, regardless of the light source or optical details of the microscope.”

The PD300-MS is compatible with all Ophir



meters and PC interfaces, including **Centauri**, the portable laser power / energy meter with a large, sophisticated graphical display and advanced math functions.

### **Availability & Pricing**

The **PD300-MS** microscope slide power meter is available now. OEM prices available on request.

PD300-MS DATA SHEET: <http://ow.ly/PVDP30k6uuV>

PD300-MS VIDEO: <http://ow.ly/bGqN30k6uqO>

### **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](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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