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Ophir-Spiricon Announces New, Very Low Energy Laser Measurement Sensors

April 27, 2010 – Logan, UT – Ophir-Spiricon, the global leader in precision laser measurement equipment, today announced the **PD10-IR-pJ Photodiode Energy Sensors** that measure very low energy, down to 30pJ. Part of the PD10 family of high sensitivity silicon laser sensors, the new devices extend the low measurement capability to the NIR range, covering from 800 to 1800nm. The PD10-IR-pJ energy sensors are designed for very low energy commercial and military applications, such as telecommunications and remote sensing.

The **PD10-IR-pJ** is able to measure very low energies, either single shot or repetitive, up to 10kHz. The device uses a 5mm aperture germanium photodiode to measure pulse energies in the 200pJ to 20nJ range, with the lowest possible energy measurement as small as 30pJ.

“Measuring at the picojoule level has been difficult until now,” stated Ephraim Greenfield, VP Engineering, Laser Measurement Group, Ophir-Spiricon. “The PD10-IR-pJ



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brings infrared laser measurement down to significantly smaller, more sensitive levels, jumping from 200nJ down to 30pJ, a 10,000 time improvement.”

Pricing and Availability

The new **PD10-IR-pJ Photodiode Energy Sensors** are available now. OEM pricing is available on request. The data sheets can be downloaded at:

http://www.ophiropt.com/laser/pdf/PD10_PD10-pJ_PD10-IR-pJ.pdf

About Ophir-Spiricon

Established in 1978, Ophir-Spiricon is part of the Ophir Optronics Laser Measurement Group. The Laser Measurement Group provides a complete line of instrumentation including power and energy sensors, beam profilers, and spectrum analyzers. Dedicated to continuous innovation in laser measurement, the company holds a number of patents, including **Ultracal™**, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The company’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit www.ophir-spiricon.com.

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