

ePulse: Laser Measurement News February 2009

Welcome to **ePulse: Laser Measurement News**, a review of new developments in laser analysis, beam diagnostics, and beam profiling. Each issue contains industry news, product information, and technical tips to help you solve challenging laser measurement and spectral analysis requirements. Please forward to interested colleagues.

Laser Measurement Business

Photonics West 2009 Wrap-Up: What's New in Power/Energy Measurement

Photonics West 2009 was a hotbed of interesting new product announcements. For those of you who missed the excitement, this presentation covers the newest power/energy measurement and beam profiling products from Ophir-Spiricon -- from 100mm pyroelectric heads to BeamGage™, the next generation of beam profiling software. Find out more at [What's New](#).

Laser Survey & Spiricon Goodies

Nine lasers with the same wavelength and power specs from the same manufacturer can yield [nine different laser beam profiles](#). So we're on a hunt for information that will help laser users better understand the challenges being seen in the field. Complete this short survey and we'll send all power meter or beam profiler users a retro tie-dye t-shirt from Photonics West 2009. Or book an Ophir-Spiricon demo and we'll hand deliver it. [Complete the survey before April 1, 2009](#). No fooling!

Tutorials

Rapid Pulse Sensors

RP (Rapid Pulse) sensors are a unique type of energy sensor that fill an important niche in laser power/energy measurement. RP sensors are rather expensive and bulky, and they have other limitations. This means they are not the preferred solution when a pyroelectric sensor will do. However, there are situations where RP sensors are the only energy sensor that can be used. Find out more in Dr. Ephraim Greenfield's article on [Power Meters](#).

FAQs: Power/Energy Meters

What is the difference between the "short" and "long" settings when using a PE25BB head? Read the [FAQ](#).

FAQs: Beam Profiling

Laptops can present a number of performance issues when used with FireWire cameras. Here are our recommendations on how to make the right laptop choice? Read the [FAQ](#).

New! 2009 Power/Energy Meter & Beam Profiling Catalogs

Download the 2009 Ophir-Spiricon Laser Measurement Catalogs today. Tutorials and new products in [Power Meters](#) and [Beam Profiling](#).

Fast Ship Program

Ophir-Spiricon's new [Fast Ship program](#) provides one-day shipment of the most popular power/energy, beam profiling, and M2 laser measurement equipment.

Laser Q&A

What is the definition of damage threshold?
Find out at [Laser Q&A](#).

eProfiles

Ilan Haber, Director Product Marketing and Business Development, Laser Measurement Group, Ophir Optronics Inc.

It's not every day that you run across someone who has won the prestigious Israel Defense Prize. Ilan started his career as a Project Manager with the Intelligence R&D Unit of the Israel Defense Force where one of his projects won the coveted award. Since then, Ilan has continued his work with state of the art optics technologies. Find out more at [eProfiles: Ilan Haber](#).

On-Site Seminars

Ophir-Spiricon has begun conducting a limited number of on-site beam diagnostic seminars for major laboratory facilities and academic institutions focusing on photonic

FAQs: BeamGage™, Next Generation Beam Profiling

We asked the lead developer behind BeamGage, Ophir-Spiricon's next generation beam profiling system, to tell us what the new software can do that other beam analysis systems cannot? Read the [FAQ](#).

What's New in Laser Measurement

BeamGage™: Next Generation Beam Profiling System

BeamGage is the industry's first beam profiling software to be newly designed, from scratch, using the most advanced tools and technologies. Based on **UltraCal™**, Ophir-Spiricon's patented baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy, BeamGage includes BeamMaker™, a revolutionary beam simulator, automatic camera control, and custom algorithms to provide the best fit for individual applications. Find out [more](#).

High Accuracy Laser Beam Splitter/Attenuator

The LBS-300 Beam Sampler is a family of high accuracy laser beam attenuators that combine a compact, portable design with small beam diameters and high power ranges. Designed for challenging, high power applications, the samplers provides high accuracy measurements of beams with diameters up to 15mm and power levels from 10mW to 400W. Ideal for enclosed workstations, such as micromachining, microwelding, and medical device manufacturing. Find out [more](#).

developments. These educational seminars will include such topics as "Power vs energy: Which do you measure and why," "Focused spot analysis: When it makes sense," and "M2 beam propagation analysis." For more information or to schedule a seminar, contact Kevin Kirkham at Kevin.Kirkham@ophir-spiricon.com or call 435-753-3729.

Trade Shows

[Laser Expo 2009](#)

April 22-24, 2009
Pacifico Yokohama
Yokohama, Japan

[CLEO-IOEC](#)

June 2-5, 2009
Baltimore Convention Center
Baltimore, Maryland

[Laser World of Photonics](#)

June 15-18, 2009
New Munich Trade Fair Centre
Munich, Germany

About Ophir-Spiricon Inc.

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 meters, beam profilers, and spectrum analyzers. Wholly focused on laser measurement, the group's modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. Since 1978, an unwavering commitment to forward thinking has kept us "the partner of choice" in optoelectronics.

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60 West 1000 North, Logan UT 84321
Tel: +1 435-753-3729
www.ophir-spiricon.com