

Press Release

LabMax Laser Power Meter Hits the Mark

April 3rd 2008: Pro-Lite Technology LLP (Cranfield, England) has released the LabMax from Coherent's LMC division, a high-performance laser power and energy meter compatible with all Coherent thermal, photodiode and pyroelectric sensor heads. What sets LabMax apart is its ability to capture and report every pulse at kHz rep rates, multiple data interface options and compatibility with LM-series quadrant thermopiles for beam power and position analysis.



LabMax comes in two versions: the LabMax–TO for power measurements; and the LabMax–TOP for power and energy measurements. Both meters offer wavelength coverage between 190nm to 12µm. The LabMax–TO can measure power levels between nW and kW. The LabMax–TOP can also measure energy levels from nJ to Joules. Additionally the LabMax–TOP can log the energy of every laser pulse at a maximum of 1kHz, with pulse sampling at up to 10kHz.

The beam position tool provided by LabMax in conjunction with LM series power sensors is unique and will be welcomed by anyone who has ever struggled to align their laser system, or wished to monitor their beam pointing over time or with temperature. A quadrant sensor provides a real-time readout of the beam centroid position in the LabMax display and allows the operator to see clearly the position of the laser beam as adjustments are made to the laser resonator or beam delivery system.

The latest in the Coherent range of laser measurement instruments offers a wide range of statistical tools for anyone needing to analyse and monitor their laser's output. Data can be logged on the internal flash memory or stored on a USB flash drive attached directly to the LabMax. As well as allowing for a great deal of data to be stored whilst away from a computer, the LabMax has some built in statistical parameters, up to 6 of which can be displayed at a time. Alternatively, the meter can be connected directly to a PC and the data analysed directly through the USB port or RS232 serial connection. This gives the LabMax an unparalleled versatility whether being used in the laboratory or in the field.

Web link: <http://www.pro-lite.uk.com/File/COHR%20LabMax%20Product%20Sheet.pdf>

About Pro-Lite: Pro-Lite is a specialist distributor providing value-added service to the laser and optical radiation measurement communities in the UK and Ireland. Pro-Lite supplies lasers, laser safety eyewear, laser power and energy meters, precision opto-mechanics, as well as a complete spectrum of equipment for measuring optical radiation and the optical properties of materials. Pro-Lite also designed and delivers the popular "Practical Light & Colour Measurement" course in association with Birmingham-based Photonics Cluster (UK).

FOR FURTHER INFORMATION:

Robert Yeo
Pro-Lite Technology LLP
Cranfield Innovation Centre, University Way, Cranfield, MK43 0BT, United Kingdom

Tel: +44 (0) 1234 436110 Fax: +44 (0) 1234 436111 Email: info@pro-lite.co.uk
www.pro-lite.co.uk