

Press Release

LabMax Laser Power & Energy Meter Really Knows how to Communicate



*Image shows LabMax laser power & energy meter*

**August 28<sup>th</sup> 2008:** Pro-Lite Technology LLP (Cranfield, England) has announced that the Coherent LabMax laser power and energy meter is now available with the option of a GPIB interface. This means that LabMax is probably one of the most versatile laser power and energy meters available with the choice of multiple interface options in addition to on-board data storage.

With the ability to log every laser pulse at up to 1kHz, data logging becomes an important consideration. LabMax doesn't disappoint with an internal flash memory or ability to record to a USB flash drive attached directly to the meter. The meter can be connected directly to a PC and the data analysed directly through the USB port, RS232 serial connection or IEEE.488 (GPIB) interface. This gives the LabMax an unparalleled versatility whether being used in the laboratory or in the field.

LabMax is Coherent's high-performance laser power and energy meter and is compatible with all of Coherent thermal, photodiode and pyroelectric sensor heads. What really 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 now comes in three versions: the LabMax-TO for power measurements; the LabMax-TOP for power and energy measurements; and the latest LabMax-TOP with GPIB interface. All meters offer wavelength coverage between 190nm to 12 $\mu$ m. The LabMax-TO can measure power levels between nW and kW. The LabMax-TOP models 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.

Web link: <http://www.pro-lite.co.uk/File/labmax.php>

**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.

**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 [info@pro-lite.co.uk](mailto:info@pro-lite.co.uk) [www.pro-lite.co.uk](http://www.pro-lite.co.uk)