FOR IMMEDIATE RELEASE

New Optical Power Meter: When Speed and Accuracy Matter

- **100,000 readings/second**
- **100 dB dynamic range**

Boulder, Colorado – November 16, 2005

dBm Optics announces its Model 4100 Optical Power Meter, featuring an unparalleled combination of speed, accuracy and repeatability—all at an affordable cost. The Model 4100 offers 100,000 readings per second, NIST traceability and a dynamic range of greater than 100 dB. A USB flash memory drive and large color touch-screen display enhance operation, analysis and ease of use.

High Speed. The 4100 combines 100,000 rps optical power meter modules with a powerful processor that can handle this exceptional measurement speed. When operated with two channels, each channel still measures at 100,000 rps.

Wide Dynamic Range. The 4100 captures an extended range of signal levels at a single sensitivity setting, enabling wide dynamic range within a single optical sweep. The 4100 Optical Power Meter has a dynamic range of >65 dB at full speed—eliminating the delay that similar meters suffer from range transitions required by lower instantaneous range.

Low Polarization Dependency. When used with the Model 202 optical power meters, the polarization dependency of the power measurements is less than 0.0015 dB, thus reducing a significant source of measurement inaccuracy.

Low Connection Variation. The 4100 provides repeatability of ±0.005 dB for most typical connector insertion variations including +-1 mm ranges in the x and y dimensions and a –1 mm to +3 mm range in the z dimension.

Clear, Bright Display. The 4” x 6” VGA color display affords excellent visualization of measurements directly on the power meter without the need to export data to a PC. Trends, drifts, noise, and perturbations are all clearly indicated on the graphical display.

Fast, Simple Data Transfer. The removable USB flash memory drive makes transferring data to Excel or a mathematics package very simple. Remote data transfer via Ethernet or GPIB are also straightforward: Connect to a network and retrieve data from any PC on the network (even to a remote location via VPN).

About dBm Optics. dBm Optics, Inc., provides optical test equipment used to measure passive and active optical components found in today’s high-performance communications systems. Engineers and scientists around the world use dBm’s advanced instrumentation for production test, high-speed alignment, incoming inspection, education, and design.

Price, Availability, and For More Information. For pricing or additional information, contact dBm Optics at 1-800-944-7885 (toll-free in the U.S. only), at 303-464-1919, or e-mail info@dbmoptics.com. Readers also can access information through the company's Web site at www.dbmoptics.com.

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