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Enviro-mechanical Cable Testing Solution Improves Loss Measurement Precision 10X

San Diego, California, March 23, 2010 – Photon Kinetics, the world's leading provider of measurement systems for optical fiber and cable production announced at OFC/NFOEC 2010 an innovative test solution for environmental and mechanical testing of fibers, cables and components. The solution, consisting of an 8000 OTDR and proprietary analysis software enables measurement of change in optical loss with unprecedented precision, achieving 4-sigma measurement repeatability less than 0.004 dB over 40 days.

The system's measurement performance is at least 10X better than that achieved by current loss testing setups, which typically achieve measurement precision no better than 0.05 dB, over less than 10 hours. This is problematic for manufacturers since the precision of these setups is similar in magnitude to the limits for optical loss change that are allowed by many cable specifications. Further, current test setups are influenced by loss drift in the optical switches that are employed by many setups to facilitate testing of multiple fibers.

"This significant improvement in loss measurement precision will help optical fiber cabling identify vulnerabilities in fiber cable design that were previously invisible," said Warren Hill, Vice President of Sales and Marketing for Photon Kinetics. "Our solution is also versatile. Not only can it be used for cable design qualification, but it is useful for any loss measurement application that requires high sensitivity, such as fiber macro and micro-bend testing, or optical component stress testing."

The PK Enviro-mechanical Test Software is compatible with 86000 Series 8000 OTDRs. In addition to multi-wavelength loss analysis and data logging, it also provides test scheduling and optical switch control capability.

About Photon Kinetics

Founded in 1979, Photon Kinetics is the leading supplier of measurement solutions for the optical fiber, cable and component manufacturing industry. The company offers a comprehensive portfolio of optical fiber testing solutions ranging from fiber preform analyzers to characterization systems for critical fiber geometry and transmission parameters. Additionally, Photon Kinetics provides a complete line of products that reduce the overall cost of fiber measurements by facilitating the time-consuming fiber preparation and handling activities.

Photon Kinetics also supplies measurement technology to the manufacturers of optical transmission systems, network monitoring and field test equipment; and it provides industry standard fiber cleaving technology to the manufacturers of high performance fiber optic components and installation/maintenance equipment.

For more information on Photon Kinetics or any of our products and services, please visit our website at <http://www.pkinetics.com/>.

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