



OPTRA, Inc. Announces Availability of Laser Event Recorder

Topsfield, MA (June, 2007) – The Laser Event Recorder, developed by OPTRA, Inc. in partnership with the Naval Air Systems Command, is now available in a commercial version. The device measures, characterizes, and documents laser exposures in support of dosimetry requirements for the protection of personnel working with or who could potentially be exposed to laser illumination.



The laser event recorder is battery powered and operates autonomously for up to six hours against both continuous and pulsed laser sources in the visible and near infrared portion of the spectrum. The recorder detects laser energy, extracts pertinent exposure information such as irradiance level, wavelength, pulse duration, pulse repetition frequency, time and location of exposure, and captures an image (JPEG) of the scene containing the laser. Irradiance levels are compared to the appropriate ANSI standard and if the exposure level poses a hazard to eye safety a visible warning is issued to the operator and the exposure and scene information is stored for later retrieval and analysis.

The recorder weighs 700 grams and is 5 x 8 x 13 cm in size. As a result of the recorder's size, weight, and autonomy it is ideally suited to demanding applications with virtually no set up required. Performance specifications are available upon request.

OPTRA is a supplier of ultra precision measurement solutions using state-of-the-art electro-optical technology. OPTRA markets the NanoGrid®, NanoScale®, and NanoGage® nanometer resolution grid and linear encoder products to the semiconductor, disk drive, and general research industries. OPTRA is the sole supplier of spectrometer modules to the JSLSCAD program, a field rated chemical agent detection system. OPTRA has a history of winning leading-edge technical development contracts for both commercial and government related research. OPTRA manufactures products and also licenses certain technologies that have originated from its development work.

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