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NEWS RELEASE

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TREK Introduces ESD Event Detector

Diagnostic Tool for Manufacturing Environments Sensitive to Electrostatic Discharge - Including Electronics, Semiconductors & Medical Devices

17 January 2008 (Medina, NY, USA) – TREK, INC., a designer and manufacturer of high-performance electrostatic instrumentation and high-voltage power amplifiers, recently introduced the TREK Model 900 **ESD Event Detector**. This detector is a diagnostic tool for manufacturing environments that are sensitive to electrostatic discharge (ESD), including electronic, semiconductor & medical device manufacturing and assembly.

Electrostatic discharge events are important indicators of excessive charge accumulation in a given environment. Such charge accumulation (electrostatic charging) can be detrimental to ESD-sensitive manufacturing and assembly processes such as those found in the semiconductor industry. ESD can also be a concern in the manufacture of electronics and other devices, including sensitive medical electronics, microelectronics, liquid crystal displays (LCDs), hard disk drives, microelectronic mechanical systems (MEMS), and in various sectors of the electronic manufacturing services (EMS) industry.

Trek's ESD Event Detector is a diagnostic tool used to identify incidents of or verify suspected areas of ESD activity within a manufacturing site. A voltage-sensitive antenna on the unit can be positioned near potential problem areas (where electrostatic discharge is suspected) to monitor ESD events. Detection is conveyed via an audible buzzer and/or a visual color-coded light display which depicts intensity.

By detecting ESD events, Model 900 serves to alert manufacturing engineers to the presence of potentially harmful (and invisible) electrostatic charging. Such identification is often the first step in managing ESD. Once alerted to its presence, action can be taken to rectify the situation and thereby improve overall efficiency, yield and productivity.

Model 900 is compact, portable and is powered by batteries. A universal power adapter can be used for continuous AC line operation. Model 900 is also CE compliant. The technical design of the unit provides a wide spatial operating range with high sensitivity.

Trek's Model 900 is designed for Charge Device Model (CDM) events which are becoming the major contributor to ESD failures, in connection with increases in the automation of manufacturing processes.

Trek offers other ESD-management tools including electrostatic voltmeters, sensors & monitors to assist with ionizer performance, static charge monitoring and yield improvement. The company also offers ESD Seminars to inform and educate manufacturing engineers about ESD and the important role it plays in manufacturing processes. Trek also offers high-voltage power amplifiers specifically designed to drive reactive as well as resistive loads with high slew rates, wide bandwidth and excellent stability, for use in semiconductor, research, and piezo applications.