

# Model 900A ESD Event Detector



Electrostatic discharge (ESD) events are important indicators of excessive charge accumulation in environments where electrostatic charging is detrimental to manufacturing processes in the semiconductor or LCD industries.

Trek's Model 900A is a diagnostic tool used to identify incidents or verify suspected areas of ESD activity. An ESD sensitive antenna on the unit can be positioned in ESD sensitive environments to detect problem areas of electrostatic discharges.

Trek's Model 900A ESD Event Detector alerts and displays information concerning electrostatic discharges. Upon an ESD event detection, an audible buzzer automatically sounds for two seconds (or it can be switched OFF) while five (5) color coded LEDs visually depict the relative intensity level of the event.

Resetting the unit is either performed automatically or manually by the use of a front panel selector switch. The unit can be powered 5 to 7 hours from batteries or a power cube can be used for continuous AC line operation.

**Able to detect, alert, electrostatic discharge events related to CDM (Charge Device Model)**

**Five (5) LED indicators display detection of ESD events through visual and audible alert systems**

**Automatic or manual reset control**

**AC or Battery operated, compact, and portable**

**CE compliant**

## FEATURES

**Detection levels:**  
**Five (5) LEDs indicate the relative level of the ESD event**

- 1st Level: Yellow
- 2nd Level: Yellow
- 3rd Level: Yellow
- 4th Level: Red
- 5th Level: Red

**Reset Button**  
Clears all previous measurements.

**External Monitor Connection**  
Allows remote monitoring for ESD events.

## FEATURES

**Buzzer (ON/OFF)**  
In the ON position, the buzzer will sound upon detection of a ESD event and turn off when the reset button is pushed or after two (2) seconds if in the Auto Reset mode.

**Auto Reset Switch**  
When switched ON, the Model 900A will automatically reset itself in two (2) seconds after an ESD event detection.

**Power Indicator**  
A red LED is illuminated when the power is ON.

## GENERAL

**Power Requirements**  
Four AA Alkaline 1.5 V batteries provide 7 hours of operation. Four AA Ni-H 1.5 V batteries provide 5 hours of operation. An universal power adapter can be used for continuous AC line operation.

**Dimensions**  
190 mm H (with antenna) x 83 mm W x 48 mm D  
[7.5" H (with antenna) x 3.25" W x 1.9" D].

**Weight**  
500 grams with batteries [1.1 lb].

**CONTROL WITHOUT COMPROMISE**



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