

3M™ ESD Pro ESD Event Indicator CTM082

The ultimate goal of an ESD program is to reduce the strength and occurrences of ESD events, or electrostatic discharges. ESD events can destroy sensitive components during their manufacturing, handling and assembly. Knowledge of the presence of ESD events and their relative strength is critical for assessment of the ESD environment and for determining whether the production environment is suitable for handling ESD-sensitive devices. One way to verify that your ESD protection works is by knowing whether you have ESD events in the environment, how strong they are and how many of them occur. The portable, easy-to-use ESD Pro ESD Event Indicator CTM082 serves as a quick measure of the effectiveness of your ESD protection.

The ESD Pro ESD Event Indicator CTM082 is a hand-held indicator of ESD events that detects and counts the discharges as well as shows the relative strength of each ESD event. The ESD Pro ESD Event Indicator CTM082 offers variable settings of the discharge alarm threshold to detect and count only those discharges that exceed the threshold. The ESD Pro ESD Event Indicator CTM082 provides an audio alarm on each discharge and an LED bar-graph to show the relative strength of the ESD events. If the discharge exceeds the set alarm level, the LEDs turn red.

The ESD Pro ESD Event Indicator CTM082 is capable of rejecting most non-ESD related EMI (electromagnetic interference) events. Filters are used to reject most non-ESD events in an environment where EMI events from stepper motors, solenoids, relays and other sources abound.

Applications for the ESD Pro ESD Event Indicator CTM082 include electronics assembly, semiconductor device manufacturing, disk drive manufacturing, medical environments and military aerospace.



Features	Benefits
ESD Event Detection	The ESD Pro ESD Event Indicator CTM082 provides detection of most electrostatic discharges (ESD events) that are harmful for sensitive components.
Adjustable Alarm Threshold	Easy-to-set alarm threshold helps to set a level below which the ESD Pro ESD Event Indicator CTM082 rejects events as insignificant for a particular application.
ESD Event Count	The ESD Pro ESD Event Indicator CTM082 has a four-digit counter to provide a count of discharges above the set threshold.
Rejection of Non-ESD Events	Filters reject most non-ESD EMI events to provide accurate detection of discharges in noisy environments.
Portability	A small hand-held instrument that can be carried and used virtually anywhere for quick assessment of ESD environments. The ESD Pro ESD Event Indicator CTM082 belongs in the toolbox of engineers and technicians who are concerned with ESD damage to their parts.

## Product Data Sheet

### 3M™ ESD Pro ESD Event Indicator CTM082

#### Locate and identify ESD events in your process

##### Ordering Information

The ESD Pro ESD Event Indicator CTM082 is shipped with: Antenna CTA110, Battery 9V Alkaline, User's Guide and Storage Case. Please contact the factory for other options and accessories.

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Properties	Typical Value
Functional	
Threshold	Adjustable
Event Count	4-digit counter
Event Magnitude	LED Bar
ESD Event Indication	LED Bar, Buzzer
EMI Event Rejection	Filter mode select, all events select
Power	9V alkaline battery
Mechanical	
Dimensions (approx.) without antenna	4.73" H x 2.56" W x 0.869" D
	120 mm x 65 mm x 22 mm
with antenna	6.82" H x 2.56" W x 0.869" D
	173 mm x 65 mm x 22 mm

All specifications are subject to change without notice.

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