

IONIZED ENVIRONMENT-ELECTROSTATIC LOCATOR

Product Code: 229-2093 (ER400ACL)

PRODUCT DESCRIPTION

The ACL 400 meter measures and monitors static in an ionized environment. It provides fast and easy measurement by combining many features of precision electrostatic measuring instruments in a compact package at a relatively low cost. The wide range and ease of accurate repetitive measurement make the ACL 400 meter ideally suited for ESD control applications in today's ionized manufacturing environment.

FEATURES

- * Easy to use – continuous re-zeroing eliminated
- * Chopper stabilized – operates in ionized environment
- * Convenient pocket size/leather carrying case included
- * Stable operation – recorder output for continuous monitoring over several hours

DIRECTIONS FOR USE

1) The instrument is ON when the red Power/Range selector switch is in x1 or x10 position.

Static charges may be interpreted as follows:

x1 Range is read directly from the meter.
x10 Range is 10 times meter reading.

If general magnitude of charge is unknown, start in x1 Range.

Switch Position	Distance from face of electrode to target	Static Meter voltage range
x1	1.0"	1,000v
x1	4.0"	3,000v
x10	1.0"	10,000v
x10	4.0"	30,000v

2) Discharge your body by touching a grounded metal object, e.g. water pipe, metal electrical conduit, grounded machinery or

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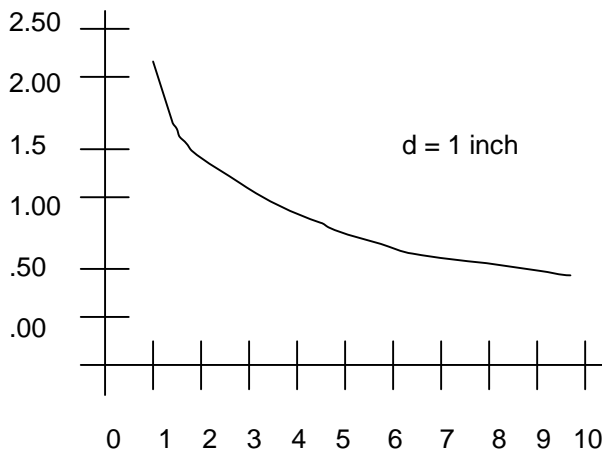
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workbench. The instrument may also be grounded by connecting a wire from the Output/Ground jack to a known grounded surface.

- 3) Point sensitive aperture toward a target and move to separation of either 4.0" or 1.0". Note reading on appropriate meter scale.

NOTE: Separation is measured from the front surface of the sensitive aperture OR the corresponding edge of the groove surrounding the case.

Multiple reading by:



S = Target Size
(Length of side of square in inches)

FIG. 1

Figure 1 illustrates that for a target size of less than four times the operating distance (of one inch); significantly less than 100% of the target voltage is within the field of view of the sensitive aperture.

- 4) Return switch to OFF position to turn instrument OFF when not in use.

BATTERY REPLACEMENT

The unit uses a 9V transistor battery. The battery should be changed after each 40 hours of use. Remove battery when storing instrument for an extended period of time.

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CLEANING

If the 400 meter is used in a dirty or dusty environment, it may be necessary to clean the sensor, spray with Miller Stephenson MS160 Freon TP-35 Solvent or isopropyl alcohol to remove any dirt or dust from the sensor aperture. Turn instrument on end so that the solvent can drain and allow to dry thoroughly for several hours before using again.

The logo for ACL Staticide, featuring the text "ACL Staticide" in a bold, purple, sans-serif font. A small, stylized starburst or snowflake icon is positioned above the letter "i" in "Staticide".

This product is distributed on behalf of ACL Staticide, 1960 East Devon Avenue, EIK Grove Village, IL 60007 USA. An ISO9002 certified company.

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