



ACL 450B Digital Field Meter

Suitable for ionized environments

The ACL 450B Digital Static Locator is ideal for determining the source of electrostatic charges in areas where static is of concern, particularly in ionized environments. Unlike other field meters, the chopper-stabilized circuitry of the ACL 450B is immune to interference caused by ionizers. This handheld field meter can be used to perform static surveys and evaluate charge accumulation in electronic manufacturing. It is also applicable in industrial operations such as converting, printing, packaging, and plastics processing. The meter's ability to make consistent and accurate measurements makes it perfect to use in electronic component production and assembly areas, textiles, and engineering labs.

The MEASURE/HOLD button enables test capturing by locking data at an instant. A pulsing beam allows for precise measurements at a 1-inch distance in the voltage range of ± 19.99 kV. For long-term monitoring, the 2.5mm output jack provides easy interfacing with a recorder, oscilloscope, or analog automated data acquisition system. A charged plate adapter is available for testing ionizing systems.



Directions:

Ground meter by snapping a ground cord from the back of the meter to a grounding point. Turn switch to ON position. Point the aperture toward a grounded object and use the ZERO potentiometer to adjust to zero.

To read the voltages of less than 20kV, approach target surface from at least 12 inches away while aiming the electrode toward the static generator until the flashing bullseyes lines up at approximately 1 inch. Press the MEASURE/HOLD button to freeze display and capture reading.

Product# 450B: includes carrying case, 9-volt battery, and traceable calibration certificate

Ideal for the following applications:

- Electronic packaging
- Cleanrooms
- Medical products
- Plastics formulation
- Military requirements
- R&D materials
- Textiles
- Materials engineering
- Static-safe requirements

FEATURES:

- ✿ Accuracy: $\pm 5\%$ of reading
- ✿ Ranges: 0 ± 19.99 kV at 1 inch
- ✿ Display: LCD, 3.5 digit with auto polarity readout
- ✿ Recorder output for analog data collection
- ✿ Weight: 5 ounces (with battery)
- ✿ Size: 2.4" x 4.2" x 1.3" (61 x 107 x 33 mm)
- ✿ CE mark