


Features:

- Perfect for checking effectiveness of work station grounding systems
- Precise, easy-to-read digital display
- HOLD button freezes display to capture transients or for hard-to-read locations
- Battery SavR™ turns instrument off when not in use
- Pocket-sized convenience
- Exclusive Monroe Electronics two-year warranty
-  RoHS Compliant

The most affordable static locator you can buy

Now there's no excuse for letting static buildup cause costly product damage. The Model 281 makes ME quality so inexpensive and handy you'll want one instantly available wherever static can strike:

- **"Static-free" workstations** - for frequent checks of grounding straps, mats and similar
- **Converting, printing, laminating, or coating operations** - to spot static buildup before it spots your product or jams your line



Simple to use

Only four easy steps alert you to static charges before they cause harm:

1. Press PWR ON/HOLD button once.
2. Discharge your body by touching a grounded metal object.
3. Point the aperture toward a grounded surface and press the ZERO button twice.
4. Aim the instrument toward the target surface at a distance of 1 inch. Read voltage and polarity of the charged surface on the display.

For additional measurements repeat steps 2 through 4

To lock the display reading, press the PWR/HOLD button.

The 281's accuracy is dependent on three factors:

- The instrument must be properly zeroed.
- The distance from the front edge of the case to the target or surface under examination must be accurately defined.
- The target must be relative to the measurement distance. It should be at least 5" x 5" for true accuracy.

Specifications:

- Readout:** 3½-digit LCD automatically displays measured voltages and polarity plus HOLD and LOW BATTERY indicators
- Normal Range:** ±20kV at 1 inch with correct range and polarity automatically selected
- Extended Range:** Voltages of 20kV and higher may be measured by increasing the distance to the target:
- | kV | Distance | Multiply reading by |
|------|------------|---------------------|
| 0-40 | 4.0 inches | 2 |
| 0-80 | 8.5 inches | 4 |
- Accuracy:** Better than ±10%
- Zero Tolerance:** ± 5 counts, ± 3 counts typ.
- Response:** Display updates three times per second
- Grounding path:** Through conductive case
- Battery SavR™ timeout:** 90 seconds, typical
- Battery:** 9-volt Eveready #216 or equivalent, NEDA # 1604
- Battery life:** 200 hours of normal use
- Dimensions:** 4.2x2.4x.9 inches (10.7x6.1x2.3 cm)
- Weight:** 5 oz. (142 gm)
- Accessories:** Instruction sheet, 9V battery

Calibration:

Monroe Electronics instruments are factory-calibrated prior to shipment. Recalibration should be performed annually, or more frequently if specified by contract or company policy. Your instrument should also be recalibrated any time it has been repaired or tampered with. We are happy to recalibrate your instrument for you at a reasonable cost, or provide information and procedures on calibration upon request.

Warranty:

Monroe Electronics, Inc., warrants that each instrument and sub-assembly manufactured by them shall be free from defects in material and workmanship for a period of two years after shipment from the factory. This warranty is applicable to the original purchaser only.

The finest Electrostatic instrumentation and support:

For more than 50 years - ever since we invented the feedback--nulled electrostatic voltmeter, Monroe has been the technology and quality leader in electrostatic detection and measurement instrumentation. Today we offer the world's most complete array of fieldmeters, voltmeters, and resistivity meters. Our customers include the leading makers of photocopiers and laser printers, converters and microelectronics worldwide.

We know you need quality support as well as quality products. We pride ourselves on providing our customers with the most knowledgeable applications and installation support — as well as superior customer service.

How can we help?

Contact your Monroe Electronics representative for price and delivery information on this and other ME products, to schedule a no-obligation demonstration at your convenience. For the name of your nearest dealer or for technical or applications assistance, contact Monroe Electronics directly at the address and numbers below.

