Portable Electrostatic Fieldmeter

model **257D**

Features:

- **Battery or line operation - AC power module included**
- **Two ranges: ±2kV/m and ±20kV/m**
- **Remote probe for easy monitoring of hard-to-reach locations up to 1000 feet**
- **Chopper stabilizer for accurate measurements in ionized environments**
- **Recorder output for unattended monitoring**
- **Unequaled accuracy, stability and versatility**





Wherever you need non-contact static measurement

- Monitor charge buildup on webs during lamination, coating, manufacturing, printing
- Check bonding during bagging, dumping, transport operations
- Static surveys in offices, on production lines, “static-free” workstations
- Prevention of dendritic discharge patterns on photographic and X-ray film
- Loop control for consistency in electrostatic tacking of materials
- Monitor static levels in textile manufacturing to prevent shocks to personnel, bunching and flying of product
- Drift-free measurement in ionized environments

www.trekinc.com/Monroe
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TREK Has Joined Advanced Energy

Portable Electrostatic Fieldmeter model 257D

Specifications:

Ranges:	±2kV/cm and ±20kV/cm
Sensitivity:	1 V/m and 10 V/m, respectively
Static accuracy:	Better than 5% of reading
Drift:	<30 V/m/hour, non-cumulative after 30-minutes stablization, referred to input
Noise:	<10 V/m rms, 0 - 200 Hz referred to input
Response speed:	250 ms 10% to 90% (typical)
Analog output:	± 10kV/m = ± 1.0V output (< 10 ohm impedance)
Batteries:	Built-in, rechargeable, gel-type, 12V, 1.2AH, >8 hours with backlight on - charging system on-board, <6 hours recharging time
AC power adapter:	Power adapter supplied: Input: 100 - 240 VAC/ 47 to 63 Hz/260mA
Dimensions:	10.5”x6.5”x2.6” (26.7x16.2x6.7 cm)
Weight:	2lbs., 6oz (1.1kg) w/batteries
Operating environment:	25°C, ±10°C, 0-85% RH non-condensing, unaffected by ionized environment
Probe:	1036F-5, 1.75” dia. x 1.25:H (4.4 x 3.2cm) 8oz (0.2kg) with 10 ft. (3m) cable
Probe Options:	Any of our Model 1036 probes will work with the Model 257D. A full range of probe sensitivities and different case styles are available. Please refer to our Model 1036 literature. Optional cable lengths up to 1000 ft for remote operation are available.
Probe operating environment:	-30°C to 100°C, non-condensing
Accessories Included:	Power supply, connecting cable, manual.
Industry approval:	• Probe approved by **Factory Mutual Research** Corporation as intrinsically safe for use in Class I, Division 1, Groups C and D hazardous locations when used with approved IS barriers.

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 will be happy to perform the calibration for you or refer you to one of our Authorized Service Organizations.

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 one year after shipment from the factory. This warranty is applicable to the original purchaser only.

The Monroe Electrostatic & ESD product line is now owned by Advanced Energy and managed by TREK in Lockport, NY.

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