

Features:

- Battery or line operation - AC power module included
- Two ranges: $\pm 2\text{kV/cm}$ and $\pm 20\text{kV/cm}$
- 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



Portable Electrostatic Fieldmeter model 257D

Specifications:

| | |
|-------------------------------------|--|
| Ranges: | $\pm 2\text{kV/cm}$ and $\pm 20\text{kV/cm}$ |
| Sensitivity: | 1 V/cm and 10 V/cm, respectively |
| Static accuracy: | Better than 5% of reading |
| Drift: | <30 V/cm/hour, non-cumulative after 30-minutes stabilization, referred to input |
| Noise: | <10 V/cm rms, 0 - 200 Hz referred to input |
| Response speed: | 250 ms 10% to 90% (typical) |
| Analog output: | $\pm 20\text{kV/cm} = \pm 2.0\text{V}$ 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, $\pm 10^\circ\text{C}$, 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, optional carrying case is available |

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.
- **ATEX** approved sensors are available through Extronics at www.extronics.com
- CE Mark Compliant

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

The finest Electrostatic instrumentation and support:

For more than 40 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.