



Ground Zero Electrostatics PFM-711A-MK Electrostatic Field Meter

PFM-711A-MK Electrostatic Field Meter Micro Kit Hand held field meter locates and measures electrostatic fields



Item Number
PCS-711A-MK

Contents

- ☼ PFM-711A Electrostatic Field Meter
- ☼ PFM-711AC Analog Output Cable
- ☼ Carrying Case with Removable Belt Clip
- ☼ Operator's Manual

Packaging

Weight: 2 lbs (1 kg)
Length: 8.25 Inches (21 cm)
Width: 7.5 Inches (19 cm)
Height: 3.5 Inches (8.5 cm)

A hand held, compact, electronic digital chopper field meter used for locating and measuring electrostatic fields.

Use alone to measure fields on defined surfaces and materials. Red "Bulls Eye" ranging lights assist in obtaining reproducible measurements.

Use with CPM-720A Charge Plate Assembly and PCS-730 Charging Source to balance and test ionization blowers and devices. May be used to measure charge generation related to personnel, floors, chairs, carts, equipment, packaging materials, etc.

Analog output allows documentation of measurements when used in conjunction with X-Y plotter, analog data recording device, or computer equipped with A - D Daq card. (Recording device not supplied.)

Specifications

Meter Display:

3-1/2 digit Liquid Crystal Display with 0.4" digit height. Automatic polarity, HOLD and LOW BATTERY indicators.

Output:

Analog signal output and 30 inch two conductor cable provided. ± 10.0 KV meter reading equals ± 1.0 volts output.

Range:

High Range 0 V to ± 19.99 KV; least significant digit indicates tens of volts at one inch distance. Low Range 0 V to $\pm 1,999$ V; least significant digit indicates 1 volt at one inch distance. Measures higher voltages at greater distances, e.g., at two inches double indicated voltage, at four inches multiply indicated voltage by four.

Range Lights:

Red "Bulls Eye" at one inch distance

Accuracy & Environment:

$\pm 2\%$ at ambient conditions (23°F and 30% Rh). $\pm 5\%$ at 0 - 50°C and 0 - 85% Rh (non-condensing). Accuracy unaffected by the presence of air ionization.

Response:

Digital display updates three (3) times per second. Analog Output Time Constant: Either Range 0.1 sec. Display Time Constants: High Range 0.2 sec; Low Range 2.0 sec

Controls:

Three position slide switch: KV/INCH - OFF - V/INCH Sample/HOLD push button, and ZERO adjust knob.

Grounding:

Meter circuit grounded through the conductive case and 10 mm snap fastener mounted on back of case.

Power:

9 VDC alkaline battery. Battery life minimum 40 hours.

Dimensions:

Meter Dimensions

Width: 2.4" (6.1 cm)

Depth: 0.9" (2.3 cm)

Length: 4.2" (10.7 cm)

1.3" deep with zero knob and snap fastener

Meter Weight:

5 ounces, with battery



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Specifications

Case Dimension

Width: 3.0" (7.6 cm)

Depth: 1.5" (3.8 cm)

Length: 4.5" (11.4 cm)

Case Weight:

0.25 ounces

Weight:

5 ounces, with battery



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