



PFK-100 Field Meter Set

The PFK-100 set includes Prostat's unique PFM-711A dual range field meter, CPM-720A charged plate monitor assembly and PCS-730 ± 1 kV charging source. With this instrument set you can measure electrostatic fields, analyze ionizer performance and assess the voltage generation of materials, equipment and personnel.

The battery operated PFM-711A Field Meter is a compact "electronic chopper" design with accuracy of $\pm 2\%$ at ambient conditions (23 °C and 30% Rh). It features automatic polarity, measurement "hold" button, low battery indicator, high and low

ranges, distance ranging lights for accurate and repeatable measurements, manual zero control and a ground snap. With the supplied analog output cable, it can be used in conjunction with an X-Y plotter or any analog data-recording device.

Specifications

PFM-711A FIELD METER

Meter Display:

3½ digit Liquid Crystal Display with 0.4" digit height. Automatic polarity, HOLD and LOW BATTERY indicators.

Output:

Analog signal output and 30" two conductor cable provided. ± 10.0 kV meter reading equals ± 1.0 Volt 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 1" distance. Measures higher voltages at greater distances, e.g., at 2" double indicated voltage, at 4" multiply indicated voltage by four.

Range Lights:

Red "Bulls Eye" at one inch distance

Accuracy & Environment:

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

Range: 0 to ± 6 kV at a plate separation of 0.60"

Accuracy: $\pm 2\%$ at 1,000 Volts. Calibration adjustment screw provided

Grounding: Through conductive case and snap fastener of Model PFM-711A

Dimensions (W x L x D): 3.25" x 3.25" x 0.9" (8.25 cm x 8.25 cm x 2.3 cm)

Weight: 8 oz (227g)

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