

Electrostatic fieldmeter

# iONmeter 5.0



## Electrostatic fieldmeter

### System description

Our 'chopper stabilised' electrostatic meter, iONmeter 5.0, accurately reads static electricity without substrate contact. The compact design and one touch operation makes it very user friendly. The dissipative housing of the unit is EPA (Electrostatic Protective Area) compatible and helps prevent false readings due to voltage leakage through the operator.

#### Menu driven selection of measurement distance

Voltage potentials can be directly measured for the 5 preselected distances, therefore avoiding the need for manual recalculation. The benefits of this are the ability to accurately measure low voltage at close scale ranges and safer, accurate measurement of high voltage at higher scale ranges.

#### Hold function

The hold function keeps the actual reading in memory e.g. after obtaining measurements in areas where the direct reading of the display is not possible.

#### No zero drift

A zero adjustment is not needed before each measurement.

#### Measurement ranges:

distance 1 cm: 0 to 10 kV

distance 2 cm: 0 to 20 kV

distance 5 cm: 0 to 50 kV

distance 10 cm: 0 to 100 kV

distance 20 cm: 0 to 200 kV

#### TECHNICAL DATA:

Range: 0 to +/- 200 kV (at 20 cm distance)

„Chopper“ stabilised

Resolution at 1": 0.001 kV (1 Volt)

Accuracy: +/- 2 % of reading

Capacitance (to ground) of Sensor: 3 nF

Drift: < 0.001 kV / 10 seconds

Leakage Half Life: > 10 hours

Auto Off: If no buttons are pressed in 10 minutes

Environmental: -1 °C to 43 °C (30 °F to 110 °F) 0 – 85 % RH

Size: 4.8 x 2.7 x 1.0 inches (122 x 70 x 26 mm)

Weight: 130 g (4.5 oz)

Battery: 9 Volt Alkaline (~30 hour life) / „Low Battery“ indicator



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