

## ELECTROSTATIC FIELDMETER FMX-004

The FMX-004 fieldmeter is a compact electrostatic fieldmeter used for locating and measuring static charges. Its pocket size and three-button operation makes it convenient and easy to use.

It measures both positive and negative polarity charges up to  $\pm 30$  kV (30,000V) at a distance of 1 inch. Results are simultaneously shown numerically and in bar graph format on the unique multicolored display that also displays battery charge status. Power on/off, zero adjustment, Ion Balance (MODE) and hold are all push button operation. The hold button allows the display to retain the static charge reading. This is especially useful where display is difficult to see during measurement.

The FMX-004 has Analog output available. There is also an optional cable and bracket kit offered. The bracket enables the fieldmeter to be mounted to collect continuous reading. The Analog feature allows you to extract and monitor the data you are reading from the FMX-004. The Analog signal can be used with a PLC, data acquisition card, data logger, chart reader, etc.



### Features

- Lightweight, compact design
- Range light assures accurate and repeatable measurements
- Automatic range switching up to  $\pm 30$  kV (30,000V)
- Digital and bar graph display with +/- indicators
- Automatic power off with inactivity

### Specifications

<b>Power</b>	9V, 6F22Y manganese battery
<b>Measurement</b>	AUTO: 0 - $\pm 1.49$ kV (low range); $\pm 1.0$ kV to $\pm 30.0$ kV (hi range) HI Range: 0 - $\pm 30.0$ kV LOW Range: 0 - $\pm 3.00$ kV Ion Balance: 0 - $\pm 300$ V
<b>Distance</b>	1" $\pm 1/64$ " (25 mm $\pm 0.5$ mm); LEDs guide for correct distance
<b>Response Time</b>	Display updates less than 5 times per second
<b>Accuracy</b>	20 kV $\pm 10$ %
<b>Analog Out</b>	Response speed 40 ms
<b>Controls</b>	Push button POWER, HOLD, ZERO and MODE (Ion Balance operation)
<b>Indicators</b>	Bar graph - POSITIVE POLARITY VOLTAGE, red LCD; NEGATIVE POLARITY VOLTAGE, blue LCD; battery capacity and error display indicators
<b>Audible Alarm</b>	Beep: Power on, power on with auto off, over range, auto power off and continuous operation
<b>Dimensions</b>	4-7/8" L x 2-7/8" W x 1"D (123 x 73 x 25 mm)
<b>Weight</b>	6 oz (170g)