

Triboelectric Series and Electrostatic Fieldmeter



The Triboelectric Series chart shows the relative positive or negative charge of various materials.

FMX-003



Description

The FMX-003 fieldmeter is a compact electrostatic fieldmeter used to accurately locate and measure static charges. Its pocket size makes it handy to use and three-button operation makes it easy to operate.

The FMX-003 measures both positive and negative polarity charges up to $\pm 22\text{kV}$ (22,000V) at a distance of 1". Results are simultaneously displayed numerically and in bar graph format. The FMX features push button operation and the HOLD button allows the display to retain the static charge reading. This is especially useful where display is difficult to see during measurement.

Specifications

Display Features	Push button POWER, HOLD, ZERO and Ion Balance operation
Read Out	Bar graph - Red LCD for positive polarity voltage; Blue LCD for negative polarity voltage; Battery capacity and error display indicators
Measurement Capability	Measuring Range: 0 to $\pm 1.49\text{ kV}$ (low range); $\pm 1.0\text{ kV}$ to $\pm 22.0\text{ kV}$ (high range); 0 to $\pm 220\text{ V}$ (ion balance measuring range)
Measuring Distance	1" $\pm 1/64$ " (25mm $\pm 0.5\text{mm}$); LEDs guide for correct distance (between charged object and fieldmeter)
Power	9 V, 6F22Y manganese battery
Size	4 7/8" x 2 7/8" x 1" (L x W x D) 123mm x 73mm x 25mm (L x W x D)