



Handheld ESD Fieldmeter

FMX-003

Simco-Ion's FMX-003 Fieldmeter is a compact handheld electrostatic fieldmeter used for locating and measuring static charges. Its pocket size makes it handy to use and three-button operation makes it easy to operate.

The FMX-003 measures static voltages within ± 22 kV (22,000V) at a distance of 1 inch. Results are simultaneously displayed numerically and in bar graph format. POWER on/off, ZERO adjustment, Ion Balance (IB) 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.

Two LED guide lights help position the fieldmeter at the right distance from a charged test object. The conductive case and ground snap facilitate grounding for accurate measurement. The circuitry of the FMX-003 has been designed to make measurements in areas using air ionization.

Features

- Digital display with color coded bar graphs
- Lightweight, compact design
- Distance ranging lights
- Audible Alarm Feature
- Battery powered with auto shut-off feature

Benefits

- Easy to read especially in low light environments
- Convenient to use in hard to reach areas
- Ensures accurate distancing and measurements
- User convenience feature to insure proper operation
- Energy efficient





Specifications

Input Power	9 VDC alkaline battery included; battery life estimates at 30 hours
LCD Display	POSITIVE POLARITY VOLTAGE, red; NEGATIVE POLARITY VOLTAGE, blue; precision bar graph: low range ± 0.1 kV, high range ± 1.5 kV, ± 15 V ion balance
Response	Digital display updates 3 times per second
Features	HOLD and LOW BATTERY indicators; automatic polarity
Controls	Push button POWER, HOLD, ZERO and Ion Balance operation
Alarm	Beep sound during Power On, Power on with Auto Off, Power Off and Over Range
Range	0 to ± 1.49 kV (low range); ± 1.0 kV to ± 22.0 kV (high range); 0 to ± 220 V (ion balance measuring range)
Accuracy	20 kV $\pm 10\%$
Operating Env.	Temperature 0-50°C (32-104°F) recommended; relative humidity 20-65%
Ground	Grounded through conductive case; snap-fastened ground terminal provided
Dimensions	4 7/8L x 2 7/8"W x 1D in. (12 x 73 x 25 mm)
Weight	6 oz (170g)
Warranty	2-year limited warranty

Ordering Information

4010723	FMX-003 Hand-Held Fieldmeter with Charge Plate
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