



Electrostatic Fieldmeter

MODEL 775

The pocket-sized Simco-Ion Model 775 Fieldmeter is designed to locate and measure static charge potentials on product, people, equipment and packaging. The 775 uses a noncontacting, chopper stabilized field sensor and a ranging light mechanism to ensure correct measurements of electrostatic fields in all areas—even those using air ionization. The Fieldmeter is easily zeroed with the turn of a small knob and does not require re-zeroing between measurements. Powered by a 9V battery, the 775 features a conductive, impact-resistant case and a convenient snap-on ground lead to facilitate grounding and increase accuracy.

Features

- Digital display
- Distance ranging lights
- Chopper-stabilized circuit
- SAMPLE and HOLD functions
- Battery powered, pocket-sized meter
- Analog output


Benefits

- Easy to read
- Ensures accurate distancing and measurements
- Operates in ionized environments
- Useful in hard-to-reach places
- Portable, for use in facility static audits
- Signals to a chart recorder or other device for hard copy documentation of static charge levels





Specifications

Input	9 VDC alkaline battery included; battery life is excess of 40 hours
Display	3-1/2 digits, 0.4" (1 cm) digit height
Output	Analog output through miniature jack, 1V corresponds to 10 kV
Response	5 Hz at analog output; digital display updates 3 times per second
Features	HOLD and LOW BATTERY indicators; automatic polarity
Controls	On/off sideswitch, SAMPLE/HOLD pushbutton, ZERO control
Range	±0.00 to 19.99 kV @ 1" (2.5 cm); higher voltages may be measured at distances > 1 in.
Accuracy	±5%, chopper stabilized (accuracy unaffected by air ionization); least significant digit of display indicates tens of volts
Environment	Operates at 0-40°C
Ground	Grounded through conductive case; snap-fastened ground strap provided
Dimensions	4.2L x 2.4W x 0.9D in. (10.7 x 6.1 x 2.3 cm)
Weight	5 oz with battery (141.8g)
Warranty	2-year limited warranty
Certifications	

Ordering Information

91-0775	Model 775 Electrostatic Fieldmeter
91-0775PVS	Periodic Verification System enhancement
19-0775-CR	Calibration certificates

Sample and Hold Functions

The 775's SAMPLE and HOLD functions allow measurements in places difficult to reach with other instruments. In SAMPLE mode, the Fieldmeter provides continuous measurement. The HOLD mode digitally freezes the meter reading to permit operation in special situations, such as to measure static charge inside an opaque bag or in production equipment.

Enhancements

The 775 Electrostatic Fieldmeter can be upgraded to a Periodic Verification System (775pvs). A hand-held alternative to a charged plate monitor, the 775pvs includes a detachable isolated plate and a charger in addition to the fieldmeter. Together, the three components can be used to verify ionizer operation and check ion balance and discharge times.



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