



**SIMCO ION**™  
An ITW Company

# Electrostatic Fieldmeter

## MODEL 775

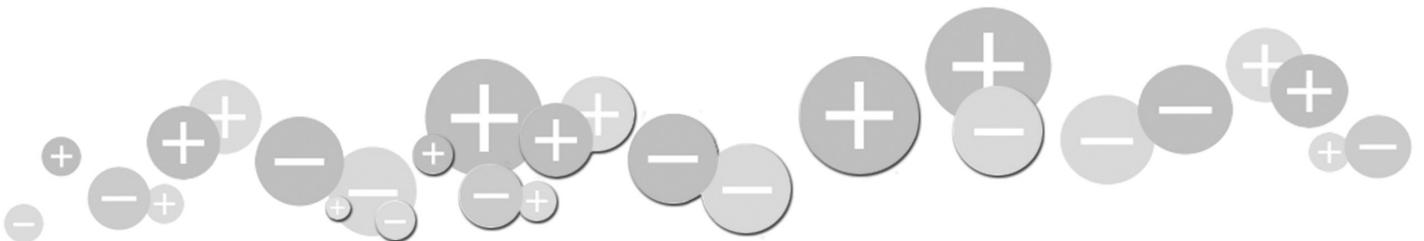
The pocket-sized Simco-Ion Model 775 Fieldmeter is designed to locate and measure static charge potentials on the product, people, equipment and packaging. The 775 uses a noncontacting; chopper stabilized field sensor and a ranging light mechanism to ensure correct measurements of electrostatic fields 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



Model 775	
<b>Battery</b>	9V alkaline battery included, battery life is excess of 40 hours
<b>Output</b>	Analog output through miniature jack, 1V corresponds to 10 kV
<b>Range</b>	±0.00 to 19.99 kV @ 1" (2.54 cm), higher voltages may be measured at distances >1"
<b>Accuracy</b>	±5%, chopper stabilized (accuracy unaffected by air ionization), least significant digit of display indicates tens of volts
<b>Response</b>	5 Hz at analog output, digital display updates 3 times per second
<b>Display</b>	3-1/2 digits, 0.4" (1.02 cm) digit height
<b>LCD Indicator</b>	HOLD, BAT (low battery), automatic polarity
<b>Control</b>	ON/OFF side-switch, SAMPLE/HOLD push-button, ZERO control
<b>Ground</b>	Grounded through conductive case, snap-fastened ground strap provided
<b>Operating Env</b>	0-104°F (0-40°C)
<b>Enclosure</b>	Conductive case
<b>Dimension</b>	4.15"L x 2.40"W x 0.86"D (10.5 x 6.10 x 2.18 cm)
<b>Weight</b>	0.31 lb (0.142 kg) with battery
<b>Warranty</b>	Two-year limited warranty
<b>Certifications</b>	

## Ordering Information

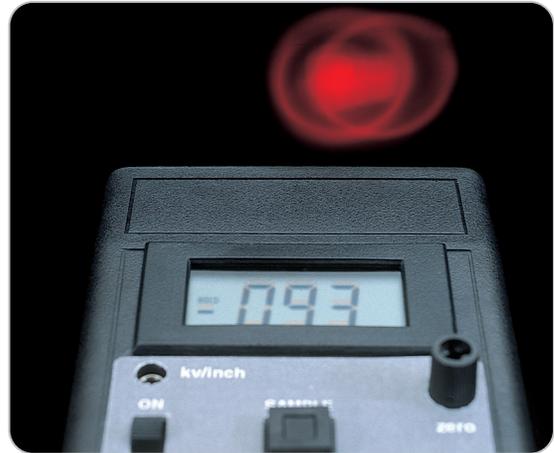
91-0775	Model 775 Electrostatic Fieldmeter
91-0775PVS	Periodic Verification System enhancement
19-0775-CR	Calibration certificates

## 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 a 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.



**SIMCO ION**™

An ITW Company

DS-0775\_V6 - 6/23  
© 2023 Simco-Ion  
All rights reserved.

### Simco-Ion, Technology Group

1141 Harbor Bay Parkway, Suite 201  
Alameda, CA 94502

Tel: +1 (800) 367-2452 (in USA)  
Tel: +1 (510) 217-0460

ioninfo@simco-ion.com  
www.simco-ion.com