

STATICO

Product Specifications for S2001 Electrostatic Fieldmeter



Description

The S2001 is designed to locate and measure static charge potentials on product, people, equipment and packaging. The instrument uses a non-contacting, 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 9Volt battery, the S2001 features a conductive, impact-resistant case and a convenient snap-on ground lead to facilitate grounding and increase accuracy. NIST Certified.

Specifications

Input	9 VDC alkaline battery (included). Battery life in excess of 40 hours.
Display	3 ½ digits, 0.4" (1 cm) digit height.
Output	Analog output through miniature jack, 1 V 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 side switch, SAMPLE/HOLD pushbutton, ZERO control.
Range	+/-0.00 to 19.99 KV @ 1" (2.5 cm), higher voltages may be measured at distances greater than 1".
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	Ground through conductive case; snap fastened ground cord provided.
Dimension	4.2"LX2.4"WX0.90"D (10.7X6.1X2.3 cm).
Weight	5 oz with battery (141.8 g).
Warranty	1-Year limited warranty
Certification	CE

Features

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

Sample and Hold Functions:

The S2001'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 S2001 Electrostatic Fieldmeter can be upgraded to a Periodic Verification System (S2001PVSK). A hand-held alternative to a charged plate monitor, the S2001PVSK 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.