

## ELECTRIC FIELD PROBES HI-4433-MSE Electric Field Probe

ETS-Lindgren's HI-4433-MSE Electric Field Probe operates at a Frequency Response of 500 kHz to 5 GHz, +2.0/-3.0 dB.



ETS-Lindgren's HI-4433-MSE Electric Field Probe measures electric field strength and provides X, Y and Z as well as total field values. Data from each axis can be viewed individually or summed. The RF field probe is fiber optically coupled to the readout or PC interface to eliminate the possibility of cable interference.

For additional frequencies and data ranges, ETS-Lindgren's HI-4433 Series of RF Field Probes are battery-operated and designed for use in making RF exposure measurements.

### Key Features

- Isotropic Electric Field Sensing: 500 kHz to 5 GHz
- Automatic Continuous Zeroing
- Fiber Optic Technology
- Data from Each Axis can be Viewed Individually or Summed
- For Use with HI-4416 Readout, HI-4413P Fiber to RS232 Converter or HI-4413USB Fiber to USB Converter
- Probe View™ LT Software Available for Free Download

### Specifications

#### Electrical Specifications

**Frequency Response:** 500 kHz to 5 GHz, +2.0/-3.0 dB

**Dynamic Range:** 10 to 1,000 V/m

**Battery:** 20 Hours Continuous Operations 3.6 Vdc, 1400 mA-Hour Rechargeable NiCAD

**Isotropic Deviation:** +/- 0.5 dB

**Data Sample Rate:** 1 to 24 Samples per Second

**Detection:** Isotropic Electric Field

**Linearity:** +/- 0.5 dB Full Scale

**Response Time (Minimum):** 86 msec

**Fiber Optic Connectors:** Standard FSMA

#### Physical Specifications

**Operating Temperature:** 10° to 40° C (50° to 104° F)

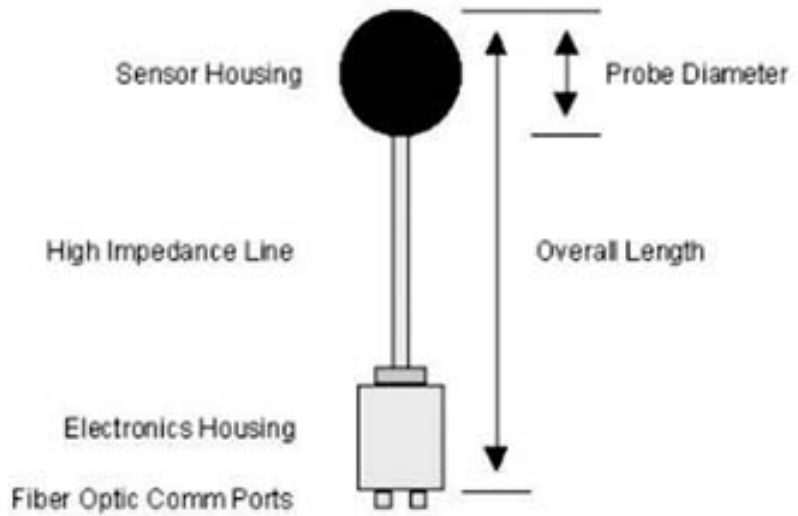
**Humidity:** 5 to 95% relative humidity non-condensing

### Other Specifications

- Probe and Electronics Housing
- Fast Battery Charger
- Dielectric Handle
- 2 Meter Fiber Cable
- Calibration Certificate
- User Manual

### Product Charts

**HI-4433 MSE  
Electric Field Probe  
Side View**



**HI-4433 MSE  
Electric Field Probe  
Bottom View  
(Electronics Housing)**

