

## LOW FREQUENCY METERS HI-3638 VLF/ELF Electric Field Meter

ETS-Lindgren's Model HI-3638 VLF/ELF Electric Field Meter has full ELF and VLF capability to the Swedish MPR and the IEEE 1140 test requirements in a single meter, making electric field testing quick and simple.



ETS-Lindgren's Model HI-3638 VLF/ELF Electric Field Meter is a EMF meter that has full ELF (extremely low frequency) and VLF (very low frequency) capability to the Swedish MPR and the IEEE 1140 test requirements in a single meter, making electric field testing quick and simple.

The HI-3638 sensor is fully isolated from the readout device (HI-4416 numeric handheld readout or HI-4413USB Optical Modem) by up to 100 meters of fiber optic cable. To assist users in automating the test session and analyzing the test data, ProbeView™ II EMF Analysis Software can be used in conjunction with the HI-3638 when connected to a PC.

The instrument demonstrates wide applicability from low field measurements higher field environments such as near power transmission lines and industrial locations.

NOTE: Tripod not included.

### Key Features

- Large Dynamic Range
- Wide Frequency Response
- Isolated Remote Readout with Logging Function
- Meets Swedish MPR Band I and II Requirements

### Specifications

#### Electrical Specifications

**Accuracy:**  $\pm 0.75$  dB (at Calibration Frequencies)

**Battery:** NiCad, 12 V, Approx. 40 Hours Operation on Full Charge

**Operating Time:** 40 Hours with Full Charge

**Detection:** Single Axis

**Dynamic Range:** 1.0 V/m to 40 kV/m (Each Band)

**Frequency Response:** Band 1 (ELF): 5 to 2000 Hz, -3 dB;

Band II (VLF): 2 to 400 kHz, -3 dB

**Response:** True RMS

## Physical Specifications

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**Sensor Dimensions (Height x Depth):** 305mm x 102 mm (12 in x 4 in)

**Readout Dimensions (Height x Width x Depth):** 156 mm x 95 mm x 57 mm (6.14 in x 3.74 in x 2.24 in)

## Other Specifications

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- HI-4416 Digital Remote Readout
  - 2 m Fiber Optic Cable
  - Custom Fitted Carrying Case
  - Battery Charger
  - Calibration Certificate
  - User Manual
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