

# VLF/ELF Electric Field Meter

## Features

- Wide Applicability
- 5 Hz - 400 kHz
- 1 V/m - 40 kV/m
- Fully Isolated Measurements
- Selectable Readout Device

## Meets Swedish MPR Band I and II Requirements

Full ELF and VLF capability to the Swedish MPR and the IEEE 1140 test requirements in a single meter makes electric field testing quick and simple.

The HI-3638 sensor is fully isolated from the readout device (the HI-4413P fiber optic modem, HI-4416 numeric handheld readout or HI-4460 graphical handheld readout) by up to 300 meters of fiber optic cable.

The instrument demonstrates wide applicability from low field measurements such as VDT's and computer monitors to higher field environments such as near power transmission lines and industrial locations. To assist users in automating the test session and analyzing the test data, ProbeView™ EMF Analysis Software can be used in conjunction with the HI-3638 when connected with either the HI-4413P or HI-4460.



## Specifications

Frequency Response	Band I (ELF) 5 – 2000 Hz Band II (VLF) 2 – 400 kHz
Dynamic Range	1.0 V/m – 40 kV/m (each band)
Accuracy	± 0.5 dB at Calibration Frequencies
Linearity	± 0.5 dB + 1% of Full Scale
Detection	Single Axis
Response	True RMS (Max Crest Factor = 3)
Wave Form Output	1V / Full Scale Range (3.5mm Phone Jack)
Operating Time	40 hours on Full Charge
Dimensions	12" Diameter x 4" Deep (305 x 102mm)
Weight	2.2 lbs. (1kg)
Mounting	¼ - 20 UNC Tripod Mount, Horizontal & Vertical
Environmental	10°C – 40°C 5% - 95% Humidity, Non-Condensing

## Standard Accessories

HI-4416 Numeric Remote Readout  
Fiber Optic Cable (2m)  
One-Hour Fast Battery Charger  
Custom Fitted Carrying Case  
User Manual

## Optional Accessories

HI-4413P Fiber Optic Modem (RS232)  
HI-4460 Graphical Handheld Readout  
ProbeView™ EMF Analysis Software  
Floorstand (491008)  
Tripod (491000)  
Handle (491001)