

Features

- 5 – 2000 Hz
- 0.2 mG – 20 G
- Three Concentric Orthogonal Field Sensors
- True RMS Detection

Accessories
Battery Charger
User Manual



*Isotropic Response
True RMS Detection
100dB Dynamic Range*

Isotropic, True RMS Magnetic Field Measurements

Signals from three orthogonal sensing elements are combined in a vector sum to provide accurate magnetic field measurements from any ELF magnetic field source. These include single- or polyphase electrical circuits, VDT's, household wiring and appliances.

The HI-3627's remote sensor and meter make quick work of determining ELF magnetic field distributions in various applications such as power-line emissions, home ambient environments and high current factory locations. A data logger or chart recorder can be connected to the HI-3627 output to monitor field variations over time.

The 2kHz upper cutoff frequency enables accurate measurements of more than 30 harmonics of a 60Hz-power frequency field. The switch-selectable, lower frequency cutoff point enables testing to Swedish MPR and IEEE 1140 guidelines.

Specifications

Frequency Response	± 3 dB 30-2000Hz or 5-2000Hz (Switch-Selectable)
Dynamic Range	0.2 milliGauss – 20 Gauss (100dB)
Detection	Isotropic
Response	True RMS
Sensor	3 Concentric, Orthogonal, Shielded Coils 110mm ID x 116mm OD (0.01m ²) each Overall: 127mm Sphere Diameter, 300mm Handle with 1.2m (4') Cable Optional: Single-Axis Sensor to determine direction and source location
Recorder Output indication	0 – 5 Vdc (1mA max), proportional to meter
Operating Time	Approximately 30 hours on a Full Charge
Dimensions	156H x 95W x 57D mm
Weight	Meter 0.65kg (23 oz) Probe 0.65kg (23 oz)
Environmental	10°C – 40°C 5% - 95% Humidity, Non-Condensing

USA

Tel +1.512.531.6400
Fax +1.512.531.6500

Finland

Tel +358.2.8383.300
Fax +358.2.8651.233

UK

Tel +44.1438.730.700
Fax +44.1438.730.751

France

Tel +33.1.48.65.34.03
Fax +33.1.48.65.43.69

China

Tel +8610.8275.5066
Fax +8610.8275.5537

Japan

Tel +81.3.3813.7100
Fax +81.3.3813.8068