

Features

- 5 – 2000 Hz
- 0.02 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	0 – 5 Vdc (1mA max), proportional to meter indication
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

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