

H-Field Probe PI-H1

Isotropic Broadband Magnetic Field Probe PI-H1: 500 KHz -50 MHz, 0.05 - 20 A/m

State of the art probe PI-H1 is used for assessment of the limits for maximum permissible exposure of occupational and general population to RF magnetic fields.

Probe covers the frequencies of major industrial, broadcast and telecommunication sources, has flat response in the pass band 2-50 MHz and usable response to 500 KHz (with correction factors), eliminating the typical need for two probes. PI-H1 probe is very compact, rugged and offers good magnetic field overload capability and pick up suppression of the out-of-band electric and magnetic fields.

Main Parameters*

- Sensor: 3-Axial diode based isotropic sensor with orthogonal broadband loops.
- High sensitivity: 0.05 A/m.
- Linearity: +/- 0.5 dB.
- Dynamic range: >50 dB (single range).
- Withstands continuous magnetic field 30 A/m.
- Frequency response (referred to 27.1 MHz):
2 MHz-50 MHz (+0/- 1 dB),
- Frequency response (with correction factors):
500 KHz-50 MHz (+/- 1 dB).
- Rotational isotropicity: +/- 0.6 dB.
- Calibration accuracy (at specified freq.) <0.5 dB.
- E field suppression: 15 dB (at 13.56 MHz).
- Temperature: 5-40 °C,
- Humidity: RH 10-90%, non-condensing.
- Temperature error: <0.05 dB/°C (field > 0.1 A/m).
- UK NPL or NIST traceable calibration.
- Small size: LxD: 9.0x2.25 inch, 230x58 mm.
- Weight: 0.2 lb, 100 g.
- Operates with RFP-05 meter.
- **Designed and made in the USA.**



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** Specification may be changed to reflect the design progress.*