



H-Field Probe PI-H1

Isotropic Broadband Magnetic Field Probe PI-H1: 500 KHz -100 MHz, 0.05 - 15 A/m

State of the art probe PI-H1 is used for assessment of the limits for maximum permissible exposure to RF magnetic fields per FCC, ANSI and ICNIRP safety standards for occupational and general population.

Probe covers the industrial, broadcast and telecommunication sources in the following frequency ranges:

MF: 500 KHz-3 MHz, HF: 3-30 MHz and VHF: 30-100 MHz.

This probe eliminates the typical need for two probes to cover the required frequency range **500 KHz- 100 MHz**, thus making measurements simpler and faster.

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).
- Frequency response (without correction factors):
600 KHz-60 MHz (+/- 1dB),
500 KHz and 100 MHz (- 3 dB),
- Frequency response (with correction factors):
300 KHz-100 MHz (+/1 dB).
- Rotational isotropicity: <1 dB.
- Calibration accuracy (at specified freq.) <1 dB.
- 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.*