



PROBE 10B

Magnetic Field Probe: B Field, 5 Hz ÷ 400 kHz

Key Features:

- Frequency range: 5 Hz ÷ 400 kHz
- Dynamic Range: 80 dB
- Directivity: Isotropic

Typical Applications:

- Power Lines.
- Transformer Stations.
- Power Industry.
- Magnetic Gates.
- Anti-theft Systems



Information subject to change without prior notice

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Magnetic Field Probe: B Field, 5 Hz ÷ 400 kHz

Description

The 10B probe is based on a set of three mutually orthogonal coils. The three voltages which correspond to the spatial components are available individually at the probe output. The NHT 310 or NHT 3D meter calculates the resulting isotropic field strength.

This probe detects magnetic fields from 5 Hz to 400 kHz covering those fields that typically occur in Industrial and Medical environments (ISM). The characteristics of this probe comply with the requirements for instruments measuring human exposure to magnetic fields as required by law in both public and professional environments.

| TECHNICAL SPECIFICATION | |
|-----------------------------|--|
| Frequency range | 5 Hz ÷ 400 kHz |
| Type of frequency response | Flat |
| Measurement range | 0.1 μ T ÷ 1 mT |
| Dynamic range | 80 dB |
| Sensor type | Coils |
| Directivity | Isotropic |
| Accuracy | |
| Flatness frequency response | ± 0.5 dB (50 Hz ÷ 50 kHz) @ 30 μ T |
| | ± 1 dB (50 Hz ÷ 400 kHz) @ 30 μ T |
| Linearity | ± 0.5 dB (1 μ T ÷ 1 mT) |
| Isotropic response (@ 50Hz) | ± 0.5 dB |

| GENERAL SPECIFICATION | |
|----------------------------------|--|
| Calibration Frequencies | 5-16.7-50-150-500-1500-5000-15000-50000-100000-400000 (Hz) |
| Recommended Calibration Interval | 24 months |
| Operation temperature | 0°C ÷ 50°C |
| Size | 327 x 60 \varnothing (mm) |
| Weight | 135 g |
| Country of origin | Italy |

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