



# PROBE 30B (100cm<sup>2</sup>)

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

### Key Features:

- Frequency range: 5 Hz ÷ 400 kHz
- Dynamic Range: > 94 dB
- Directivity: Isotropic

### Typical Applications:

- CEI EN 62233:  
“Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure”



Information subject to change without prior notice

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

### Description

The 30B 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. 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.

This probe detects magnetic fields in the range from 5 Hz to 400 kHz which typically occur in ISM and Industry environments.

TECHNICAL SPECIFICATION	
Frequency range	5 Hz ÷ 400 kHz
Type of frequency response	Flat
Measurement range	300 nT ÷ 16mT
Dynamic range	>94 dB
Sensor type	Coils
Directivity	Isotropic
Accuracy	
Flatness frequency response	±0.5 dB (50 Hz ÷ 50 kHz) @30 µT ±1 dB (50 Hz ÷ 400 kHz) @30 µT
Linearity	±0.5 dB (0.1 µT ÷ 1 mT)
Isotropic response	±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 (mm)	365 x 120 Ø □
Weight	135 g
Country of origin	Italy

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