



30B PROBE (100cm²)

Magnetic Field Probe: B Field, 1 Hz ÷ 400 kHz

Key Features:

- Frequency range: 1 Hz ÷ 400 kHz
- Dynamic range: > 94 dB
- Directivity: Isotropic

Compatibility:

- NHT310 and NHT3D meters

Typical Application:

- Power lines
- Industrial installations
- CEI EN 62233:

"Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure".





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Description:

The 30B probe is based on a set of three mutually orthogonal coils. The signals from the three coils, corresponding to the spatial components of the field, are used by the NHT310 or NHT3D instruments to calculate the resulting isotropic value.

The probe is able to detect fields in the frequency range between 1 Hz and 400 kHz, covering many low frequency applications in the industrial, transport, energy and medical sectors. In particular, the probe specifications allow operator to carry out measurements in accordance with EN62233 for household appliances.

TECHNICAL SPECIFICATIONS	
Frequency range	1 Hz ÷ 400 kHz
Type of frequency response	Flat
Measurement range	300 nT ÷ 16 mT
Dynamic range	94 dB
Sensor type	Coils
Directivity	Isotropic
Frequency response (*)	± 0.5 dB (50 Hz ÷ 50 kHz) @ 30 µT
	± 1 dB (50 kHz ÷ 400 kHz) @ 30 µT
Linearity	± 0.5 dB (0.1 µT ÷ 1 mT)
	± 0.7 dB (1 mT ÷ 16 mT)
Isotropic response	± 0.5 dB (@ 50 Hz)

(*) The specifications refer to the use of the probe with the NHT3D instrument.

GENERAL CHARACTERISTICS	
Recommended calibration interval	24 months
Operating temperature	0°C ÷ 50°C
Size	365 x 120 Ø (mm)
Weight	135 g
Country of origin	Italy