



PROBE 30H

Magnetic Field Probe: B Field, DC ÷ 1000 Hz

Key Features:

- Frequency range: DC ÷ 100 Hz
- Dynamic Range: 74 dB
- Directivity: Isotropic
- Sensitivity > 200 μ T
- High pass filter (cut-off @ 1,5 Hz)

Typical Applications:

- Locations where there are patients with pacemakers
- MRI - Magnetic Resonance Imaging
- Electrolysis
- Railway: Power Supply Plants



Information subject to change without prior notice

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Magnetic Field Probe: B Field, DC ÷ 1000 Hz

Description

The 30H probe is based on three orthogonally arranged Hall sensors. 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 0 to 1000 Hz covering those fields which typically occur in broadcasting, telecoms, ISM and industry. The high sensitivity of 1mT as well as the linearity characteristics of this probe make it ideal for measuring human exposure to magnetic fields as required by law in both public and professional environments.

TECHNICAL SPECIFICATION	
Frequency range	0 ÷ 1000 Hz
Type of frequency response	Flat
Measurement range	200µT ÷ 600 mT
Dynamic range	70 dB
Sensor type	Hall sensors
Directivity	Isotropic
Accuracy	
Flatness frequency response	± 0.5 dB (0 Hz ÷ 1kHz) @ 5mT
Linearity	± 0.7 dB (5 ÷ 100 mT)
Isotropic response (@ 10mT)	± 0.5 dB

GENERAL SPECIFICATION	
Calibration Frequencies	0, 50, 500, 1000 MHz
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 40°C
Size	278 x 16 Ø□(mm)
Weight	63 g
Country of origin	Italy

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