



20B PROBE (100cm²)

Magnetic Field Probe: B Field, 1 Hz ÷ 20 kHz

Key Features:

- Frequency range: 1 Hz ÷ 20 kHz
- Dynamic range: > 94 dB
- Directivity: Isotropic
- Sensitivity >0.1 µT

Compatibility:

- NHT310 and NHT3D meters

Typical Application:

- Power lines
- Industrial installations
- CEI EN 50500:

“Measurement procedures of magnetic field levels generated by electronic and electrical apparatus in the railway environment with respect to human exposure”.



Information subject to change without prior notice

MICR  **RAD**

Piazza delle Azalee, 13/14 05018 – Orvieto (TR) - Italy
Tel. +39 0763 393291 /Fax. +39 0763 394423 info@microrad.it - www.microrad.it



20B PROBE (100cm²)

Magnetic Field Probe: B Field, 1 Hz ÷ 20 kHz

Description:

The 20B 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 20 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 EN50500 for the railway sector.

TECHNICAL SPECIFICATIONS

Frequency range	1 Hz ÷ 20 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 ÷ 20 kHz)
Linearity	± 0.5 dB (1 µT ÷ 1 mT)
	± 0.7 dB (1 mT ÷ 16 mT)
Isotropic response	± 0.5 dB (@50 Hz)

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

Information subject to change without prior notice



Piazza delle Azalee, 13/14 05018 – Orvieto (TR) - Italy
 Tel. +39 0763 393291 /Fax. +39 0763 394423 info@microrad.it - www.microrad.it