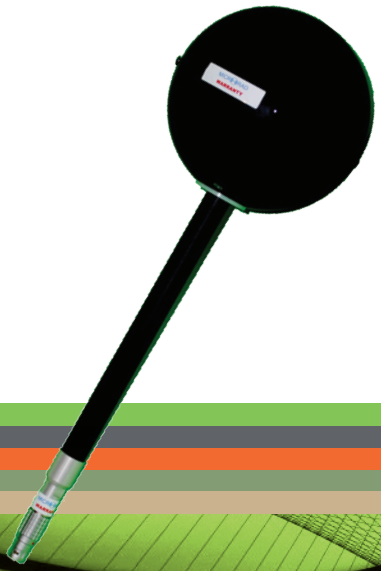
LEPACOM



PROBE 20B

100 cm² | Magnetic field B
5 Hz ÷ 20 kHz

MICRORAD

- Frequency range: 5 Hz ÷ 20 kHz
- Dynamic Range: 80 dB
- Directivity: Isotropic
- Sensitivity >0.1 µT

The 20B probe is based on a set of three mutually orthogonal coils. The high dynamic range together with the linearity satisfy the current requirements for assessment of magnetic field related to human exposure restrictions for both the population and the occupational. The three voltages, corresponding to the spatial components, are available individually at the probe output. The NHT 310 meter calculates the resulting isotropic field strength.

The probe detects magnetic fields from 5 Hz to 20 kHz, covering the fields that occur in ISM and Industry.

STANDARDS & GUIDE LINES

EN 50500

ICNIRP 1998 / 2010

2004/40/CE e succ.

CEI 211–6

EN 50499

Tipical Applications

- **CEI EN 50500**

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

TECHNICAL SPECIFICATION		
Frequency range		5 Hz ÷ 20 kHz
Type of frequency response		Flat
Measurement range		300 nT ÷ 16mT
Dynamic range		>94 dB
Sensor type		Coils
Directivity		Isotropic
Accuracy	Flatness frequency response	± 7% (50 Hz ÷ 50 kHz)
	Linearity	± 7% (0.1 µT ÷ 1 mT)
	Isotropic response	± 6%
GENERAL SPECIFICATION		
Calibration Frequencies		5–16.7–50–150–500–1500–5000–15000–20000 (Hz)
Recommended Calibration Interval		24 months
Operation temperature		0°C ÷ 50°C
Size (mm)		327 x 60 (mm)
Weight		135 g
Country of origin		Italy

LEPACOM™

00144 Roma - Italia | Via Amsterdam, 120
tel +39 06 8117 8951/2 | fax +39 06 6220 6110 | info@lepacom.com | www.lepacom.com