



PROBE 20B (100cm²)

Magnetic Field Probe: B Field, 5 Hz ÷ 20 kHz

Key Features:

- Frequency range: 5 Hz ÷ 20 kHz
- Dynamic Range: > 94dB
- Directivity: Isotropic
- Sensitivity >0.1 μ T

Typical 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”



Information subject to change without prior notice

HAVSCO LTD

Tudor House, Grammar School Road, North Walsham, Norfolk NR28 9JH UK
T: 016 92 40 06 35 E: sales@havSCO.co.uk W: www.havSCO.co.uk



PROBE 20B (100cm²)

Magnetic Field Probe: B Field, 5 Hz ÷ 20 kHz

Description

The 20B 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. The probe detects magnetic fields from 5 Hz to 20 kHz which typically occur in Industry, Scientific and Medical (ISM).

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	±0.5 dB (50 Hz ÷ 20 kHz)
Linearity	±0.5 dB (0.1 µT ÷ 1 mT)
Isotropic response	±0.5 dB

GENERAL SPECIFICATION	
Calibration Frequencies	5-16.7-50-150-500-1500-5000-15000-20000 (Hz)
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 50°C
Size (mm)	365 x 120 Ø □(mm)
Weight	135 g
Country of origin	Italy

Information subject to change without prior notice

HAVSCO LTD

Tudor House, Grammar School Road, North Walsham, Norfolk NR28 9JH UK
 T: 016 92 40 06 35 E: sales@havsco.co.uk W: www.havsco.co.uk