



# 10B PROBE

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

## Key Features:

- Frequency range: 1 Hz ÷ 400 kHz
- Dynamic range: > 80 dB
- Directivity: Isotropic

## Compatibility:

- NHT310F and NHT3DL meters

## Typical Application:

- Power Lines
- Transformer Stations
- Power Industry
- Anti-theft Systems



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](mailto:info@microrad.it) - [www.microrad.it](http://www.microrad.it)



# 10B PROBE

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

## **Description:**

The 10B 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 Microrad instruments to calculate the isotropic value.

The probe detects fields in the frequency ranges from 1 Hz to 400 kHz, allowing operators to cover low frequency applications in the industrial, transport, energy and medical sectors.

The high dynamic combined with the bandwidth of this probe makes it ideal for protectionist measurement of human exposure to magnetic fields in both public and professional environments.

### TECHNICAL SPECIFICATIONS

Frequency range	1 Hz ÷ 400 kHz
Type of frequency response	Flat
Measurement range	0.1 $\mu$ T ÷ 1 mT
Dynamic range	80 dB
Sensor type	Coils
Directivity	Isotropic
Frequency response	$\pm 0.5$ dB (50 Hz ÷ 50 kHz) @ 30 $\mu$ T
	$\pm 1$ dB (50 kHz ÷ 400 kHz) @ 30 $\mu$ T
Linearity	$\pm 0.5$ dB (1 $\mu$ T ÷ 500 $\mu$ T) @ 50Hz
	$\pm 0.7$ dB (500 $\mu$ T ÷ 1 mT) @ 50Hz
Isotropic response	$\pm 0.5$ dB @ 50Hz

### GENERAL CHARACTERISTICS

Recommended Calibration Interval	24 months
Operating temperature	-10°C ÷ 50°C
Size	327 x 60 $\varnothing$ (mm)
Weight	120 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](mailto:info@microrad.it) - [www.microrad.it](http://www.microrad.it)