

03H PROBE

Magnetic Field Probe: H Field, 30 MHz ÷ 1 GHz

Key Features:

- Frequency range: 30 MHz ÷ 1 GHz
- Dynamic Range: > 60 dB
- Directivity: Isotropic



Compatibility:

- NHT3DL e NHT310F meter

Typical Application:

- Welding systems, RF heating, tempering and drying equipment
- Diathermy equipment and medical devices RF generators, NMR machines
- Sensitive sites (hospitals)
- Broadcasting and Telecom services

Information subject to change without prior notice

MICRORAD

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







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Magnetic Field Probe: H Field, 30 MHz ÷ 1 GHz

Description:

The 03H probe is based on a set of three mutually orthogonal coils. The signal from the three coils is used by Microrad instruments to calculate the isotropic value of the field.

The 03H probe is able to detect both CW (Continuous Wave) and modulated signals in the frequency ranges from 30MHz to 1GHz, allowing operators to cover applications in the industrial, scientific, medical and communication sectors.

The high sensitivity of this probe makes it ideal for protectionist measures relating to exposure limits in both public and professional environments.

The introduction of the signal envelope sampling technique, carried out with the NHT3DL and NHT310F meter, allows not only a reliable reading of the field value, but also, for the first time, the graphical representation in the time domain of the form factor of the analyzed signal. This innovative technique opens up new analytical perspectives, allowing to distinguish and evaluate intermittent or pulse signals with important crest factors such as those typical of mobile telephones or radars.

TECHNICAL SPECIFICATION	
Frequency range	30 MHz ÷ 1 GHz
Type of frequency response	Flat
Measurement range	0.01 ÷ 10 A/m
Sensor type	Coils
Directivity	Isotropic
Frequency response	± 1.5 dB (60 MHz ÷ 900 MHz)
Linearity	± 0.5 dB (0.02 ÷ 10 A/m)
Isotropic response	± 0.5 dB (@ 100 MHz)

GENERAL SPECIFICATION	
Recommended calibration interval	24 months
Operating temperature	-10°C ÷ 50°C
Size	365 x 80 Ø (mm)
Weight	180 g
Country of origin	Italy

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