



# 02H PROBE

Magnetic Field Probe: H Field, 300 kHz ÷ 30 MHz

## Key Features:

- Frequency range: 300 kHz ÷ 30 MHz
- Dynamic Range: 60 dB
- Directivity: Isotropic

## Compatibility:

- NHT310 and NHT3D meters

## 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

MICR  RAD

Distributed by:  
Reliant EMC LLC  
3311 Lewis Ave  
Signal Hill CA 90755  
408-916-5750  
[www.reliantemc.com](http://www.reliantemc.com)



# 02H PROBE

## Magnetic Field Probe: H Field, 300 kHz ÷ 30 MHz

**Description:**

The 02H probe is based on a set of three mutually orthogonal coils. The signal from the three coils is used by the NHT310 or NHT3D instruments to calculate the isotropic value of the field.

The 02H probe is able to detect both CW (Continuous Wave) and modulated signals in the frequency ranges from 300kHz to 30MHz, allowing operators to cover applications in the industrial, scientific and medical sectors.

The high sensitivity of this probe makes it ideal for protectionist measurement of human exposure to electric fields in both public and professional environments.

The introduction of the signal envelope sampling technique, carried out with the NHT3D 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 radar.

<b>TECHNICAL SPECIFICATION</b>	
Frequency range	300 kHz ÷ 30 MHz
Type of frequency response	Flat
Measurement range	0.016 ÷ 16 A/m
Dynamic range	60 dB
Sensor type	Coils
Directivity	Isotropic
Frequency response	± 1.5 dB (0.5 MHz ÷ 30 MHz)
Linearity	± 0.5 dB (0.032 ÷ 16 A/m)
Isotropic response	± 0.5 dB (@ 20 MHz )

<b>GENERAL SPECIFICATION</b>	
Recommended calibration interval	24 months
Operating temperature	0°C ÷ 50°C
Size	365 x 120 Ø (mm)
Weight	180g
Country of origin	Italy

Information subject to change without prior notice



Distributed by: Reliant EMC LLC 3311 Lewis Ave, Signal Hill CA, 90755, 408-916-5750, [www.reliantemc.com](http://www.reliantemc.com)