



PROBE 01E

Electric Field Probe: E field, 100 kHz ÷ 6.5 GHz

Key features:

- Frequency range: 100 KHz ÷ 6.5 GHz
- Dynamic range: >65 dB
- Directivity: Isotropic

Typical Application:

- Industrial ovens, welding systems, RF heating, tempering and drying systems.
- Diathermy equipment and medical devices RF generators, NMR machines.
- Power plants and related maintenance and control systems.
- Sensitive site (hospital).
- Measurement systems for railway and road transport.
- Wireless telecommunication systems such as mobile phone base stations, satellite communication equipment, Broadcasting equipment, Wi-Fi, Wi-Max and LTE.



Information subject to change without prior notice

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SONDA 01E

Sonda campo Elettrico: Campo E 100 kHz ÷ 6.5 GHz

DESCRIZIONE

The 01E probe is based on a set of three mutually orthogonal diode dipoles. The three relative voltages which correspond to the spatial components are individually available at the probe output. The NHT 310 and NHT 3D meters calculate the resulting isotropic field strength.

This probe detects electric fields from 100 kHz to 6.5 GHz covering those fields which occur in broadcasting, telecoms, ISM and industry. The high sensitivity of this probe makes it ideal for the measurement of human exposure to electric fields in both public and professional environments.

TECHNICAL SPECIFICATIONS	
Frequency range	100 kHz ÷ 6.5 GHz
Type of frequency response	Flat
Measurement range	0.2 ÷ 360 V/m (cw)
Dynamic range	65 dB
Sensor type	Diode Dipoles
Directivity	Isotropic
Accuracy	
Frequency response flatness	±1.5 dB (1 MHz ÷ 3 GHz)
	±2.5 dB (3 GHz ÷ 6.5 GHz)
Linearity	0.5 dB (2 ÷ 200 V/m)
Isotropic response (@100 MHz)	±0.5 dB

GENERAL SPECIFICATIONS	
Calibration frequency	0.1-0.5-1-5-10-27.12-50-100-200-300-400-500-600-700-800-900-1000-2000-2500-3500-4000-4500-5000-5500-6000-6500 (MHz)
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 50°C
Size	327 x 60 □ Ø(mm)
Weight	120g
Country of origin	Italy

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