



PROBE 04E

Electric Field Probe: E Field, 3 MHz ÷ 40 GHz

Key Features:

- Frequency range: 3 MHz ÷ 40 GHz
- Dynamic Range: > 56 dB
- Directivity: Isotropic



Information subject to change without prior notice

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Description

The 04E probe is based on a set of three mutually orthogonal diode dipoles. 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.

This probe detects electric fields from 3 MHz to 40 GHz covering those fields that typically occur in Industrial and Medical environments (ISM). 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 environments.

TECHNICAL SPECIFICATION	
Frequency range	3 MHz ÷ 40 GHz
Type of frequency response	Flat
Measurement range	0.5 ÷ 350 V/m (cw)
Dynamic range	> 56 dB
Sensor type	Diode based system
Directivity	Isotropic (Tri-axial)
Accuracy	
Flatness frequency response	-3 / 0 dB (3 MHz ÷ 10 MHz)
	± 0.8 dB (10 MHz ÷ 1.8 GHz)
	± 3 dB (1.8 GHz ÷ 18 GHz)
	± 5 dB (18 GHz ÷ 40 GHz)
Linearity	± 0.5 dB (2 ÷ 350 V/m)
Isotropic response (@100 MHz)	± 0.4 dB
Isotropic response (@1 GHz)	± 0.5 dB

GENERAL SPECIFICATION	
Calibration Frequencies	3-5-7-10-20-50-80-100-200-300-500-850-900-950-1000-1800-2100-2500-3000-5000-8000-10000-13000-15000-18000-25000-26500-30000-35000-36000-38000-40000 (MHz)
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 50°C
Size (mm)	327 x 60 Ø□(mm)
Weight	120g
Country of origin	Italy

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