



02E PROBE

Electric Field Probe: E Field, 400 kHz ÷ 40 MHz

Key Features:

- Frequency range: 400 kHz ÷ 40 MHz
- Dynamic Range: > 52 dB
- Directivity: Isotropic

Compatibility:

- NHT310 and NHT3D meters

Typical Applications:

- Industrial ovens
- Welding systems
- Short waves transmitting systems



Information subject to change without prior notice

MICR  RAD

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Description:

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

The 02E probe is able to detect both CW (Continuous Wave) and modulated signals in the frequency ranges from 400kHz to 40MHz, 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.

| TECHNICAL SPECIFICATION | |
|----------------------------|--------------------------|
| Frequency range | 400 kHz ÷ 40 MHz |
| Type of frequency response | Flat |
| Measurement range | 2 ÷ 800 V/m (cw) |
| Dynamic range | 52 dB |
| Sensor type | Diode dipoles |
| Directivity | Isotropic |
| Frequency response | ± 1dB (500 kHz ÷ 40 MHz) |
| Linearity | ± 0.5 dB (2-800 V/m) |
| Isotropic response | ± 0.5 dB (@100 MHz) |

| GENERAL CHARACTERISTICS | |
|----------------------------------|-----------------|
| Recommended calibration interval | 24 months |
| Operating temperature | 0°C ÷ 50°C |
| Size | 327 x 60 Ø□(mm) |
| Weight | 120g |
| Country of origin | Italy |

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