



# 11E PROBE

Electric Field Probe: E Field, 1 Hz ÷ 400 kHz

## Key Features:

- Frequency range: 1 Hz ÷ 400 kHz
- Dynamic range: > 60 dB
- Directivity: Isotropic

## Compatibility:

- NHT310 and NHT3D meters

## Typical Application:

- Medium and High Power Lines
- Transformation stations of electricity
- Industrial installations



Information subject to change without prior notice

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## Description:

The 11E probe is based on a set of three mutually orthogonal capacitors. The signals from the three capacitors, corresponding to the spatial components of the field, are used by the NHT310 or NHT3D instruments to calculate the isotropic value.

The probe detects fields in the frequency ranges from 1 Hz to 400 kHz, allowing operators to cover low frequency applications in the industrial, high power installations and energy transformation stations sectors.

The high dynamic combined with the bandwidth of this probe makes it ideal for protectionist measurement of human exposure to magnetic fields in both public and professional environments.

### TECHNICAL SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Frequency range            | 1 Hz ÷ 400 kHz   |
| Type of frequency response | Flat   |
| Measurement range          | 20 V/m ÷ 20 kV/m (cw)  |
| Dynamic range              | 60 dB  |
| Sensor type                | Capacitors   |
| Directivity                | Isotropic  |
| Frequency response         | ± 0.5 dB (50 Hz ÷ 50 kHz) @1000 V/m<br>± 1 dB (50 kHz ÷ 400 kHz) @1000 V/m |
| Linearity                  | ± 0.5 dB (200 ÷ 2000 V/m) @ 50 Hz<br>± 0.7 dB (2 ÷ 20 kV/m) @ 50 Hz        |
| Isotropic response         | ± 0.7 dB @ 50 Hz   |

### GENERAL CHARACTERISTICS

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

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