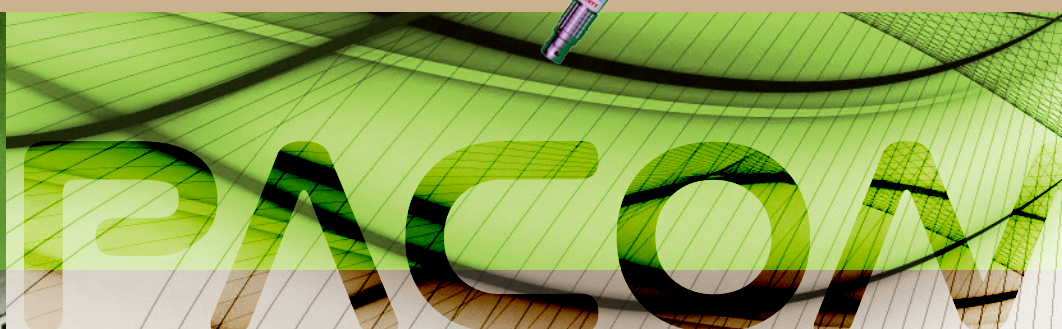


# PROBE 03E

Electric field E  
100 kHz ÷ 18 GHz



**MICR**  **RAD**



- > Frequency range: 100 kHz ÷ 18 GHz
- > Dynamic Range: 60 dB
- > Directivity: Isotropic

D. Lgs. 81–2008

ICNIRP 1998 / 2010

2004/40/CE e succ.

CEI 211–7

EN 50499

STANDARDS & GUIDE LINES

The probe 03E is based on a set of three mutually orthogonal diode dipoles. The three voltages, corresponding to the spatial components, are available individually at the probe output. The NHT 310 meter calculates the resulting isotropic field strength.

The probe detects electric fields from 100 kHz to 18 GHz, covering the fields that occur in broadcasting, telecoms, ISM and industry. The high sensitivity together with the linearity satisfy the current requirements for assessment of electric field related to human exposure restrictions for both the population that occupational.

## Typical Applications

- Radio Links.
- Satellite Communications, broadcast towers.
- Microwave Leak detection.

### TECHNICAL SPECIFICATION

Frequency range		100 kHz ÷ 18 GHz
Type of frequency response		Flat
Measurement range		0.8 ÷ 340 V/m (cw)
Dynamic range		60 dB
Sensor type		Diode Dipoles
Directivity		Isotropic
Accuracy	Flatness frequency response	±1.5 dB (100 kHz ÷ 3 GHz)
		±3 dB (3 GHz ÷ 18 GHz)
	Linearity	0.5 dB (2 ÷ 200 V/m)
	Isotropic response ( @100 MHz )	±0.5 dB

### GENERAL SPECIFICATION

Calibration Frequencies	3–5–27.12–50–100–200–300–400–500–600–700–800–900–1000–1400–2000–2400–3000–3400–4000–4400–5000–5400–6000–7000–8000–9000–10000–11000–12000–14000–16000–18000 (MHz)
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 50°C
Size (mm)	327 x 60 (mm)
Weight	120 g
Country of origin	Italy



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