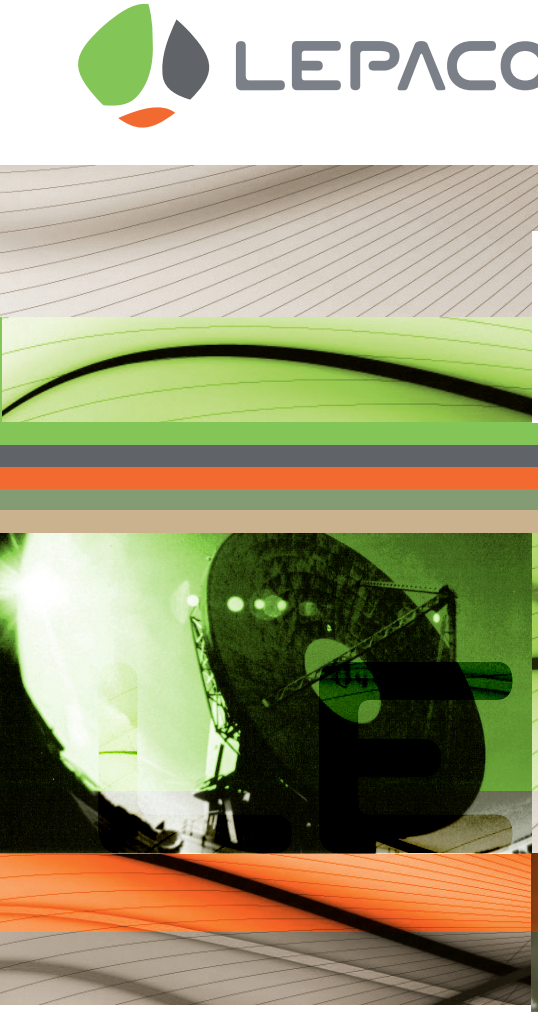
LEPACOM

PROBE 02E

Electric field E
400 kHz ÷ 40 Mhz



MICRORAD

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

The 02E probe is based on a set of three mutually orthogonal diode dipoles. The high dynamic range together with the bandwidth satisfy the current requirements for assessment of electric field related to human exposure restrictions for both the population that occuaptional. 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 400 kHz to 40 MHz, covering the fields that occur in ISM and Industry.

STANDARDS & GUIDE LINES

D. Lgs. 81–2008
ICNIRP 1998 / 2010
2004/40/CE e succ.
CEI 211–7
EN 50499

Tipical Applications

- Industrial ovens, welding systems, RF heating, tempering and drying equipment.
- Diathermy equipment and medical devices RF generating, NMR machines.
- Power plants and related systems maintenance.
- Sensitive sites (hospitals).
- Measurements for railways and ground transport systems.
- Wireless telecommunication systems such as mobile phone base stations, satellite communication equipment, Broadcasting equipment, Wi-Fi, Wi-Max and LTE systems.

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
Accuracy	Flatness frequency response	< ±1dB (500 kHz ÷ 40 MHz)
	Linearity	± 0.5 dB
	Isotropic response (@100 MHz)	±0.4 dB

GENERAL SPECIFICATION	
Calibration Frequencies	0.5 – 1 – 3 – 5 – 10 – 15 – 20 – 25 – 30 (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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