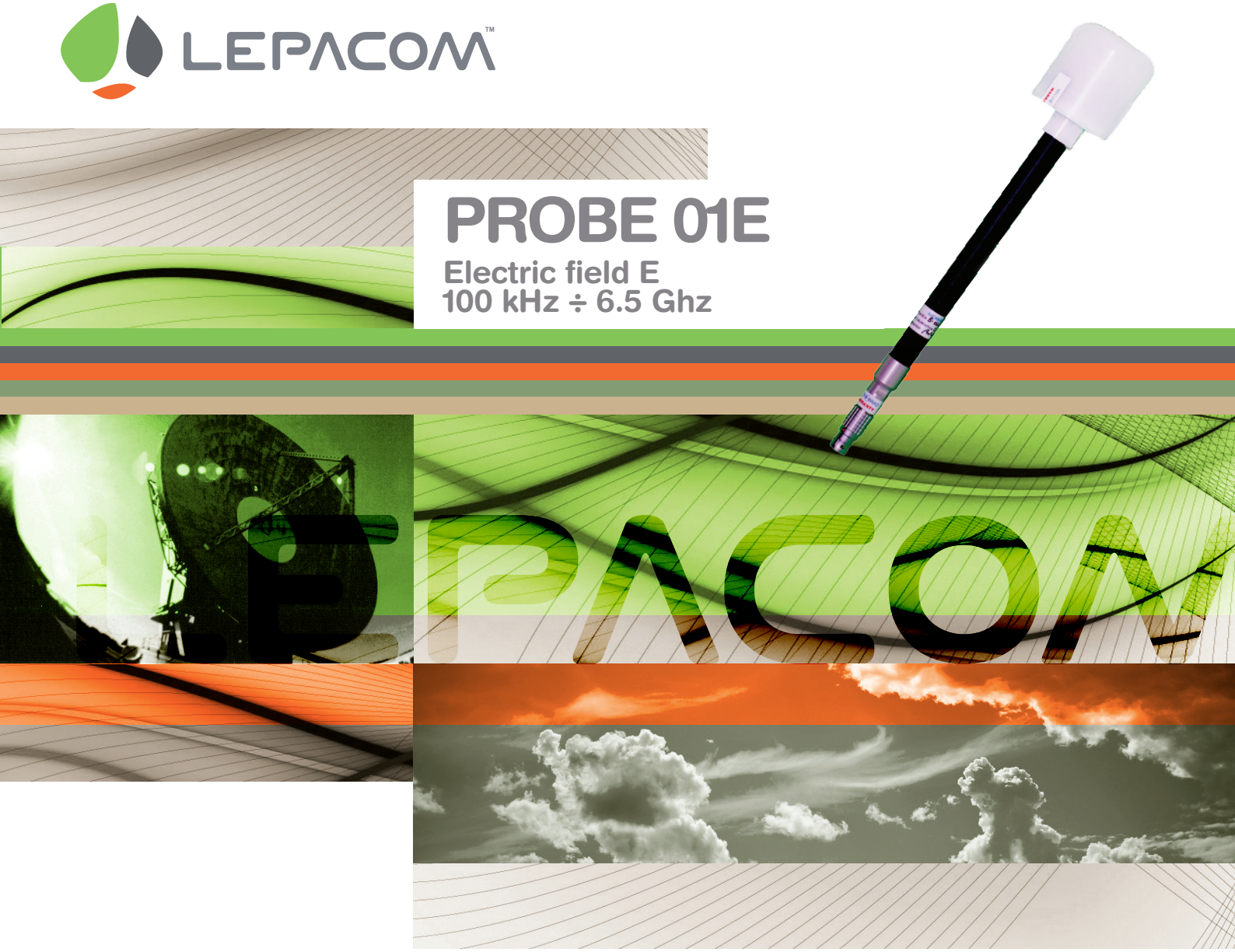
LEPACOM

PROBE 01E

Electric field E
100 kHz ÷ 6.5 Ghz



MICRORAD

- Frequency range: 100 KHz ÷ 6.5 GHz
- Dynamic Range: 66 dB
- Directivity: Isotropic

STANDARDS & GUIDE LINES

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

The probe 01E 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 6.5 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 occuaptional.

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		100 kHz ÷ 6.5 GHz
Type of frequency response		Flat
Measurement range		0.2 ÷ 350 V/m (cw)
Dynamic range		66 dB
Sensor type		Diode Dipoles
Directivity		Isotropic
Accuracy	Flatness frequency response	±1.5 dB (1 MHz ÷ 3 GHz)
		±2.5 dB (3 GHz ÷ 6.5 GHz)
	Linearity	0.5 dB (2 ÷ 200 V/m)
	Isotropic response (@100 MHz)	±0.5 dB
GENERAL SPECIFICATION		
Calibration Frequencies		0.1–0.5–1–5–10–27.12–50–100–200–300–400–500–600–700–800–900–1000–2000–2500–3500–4000–4500–5000–5500–6000–6500 (MHz)
Recommended Calibration Interval		24 months
Operation temperature		0°C ÷ 50°C
Size (mm)		327 x 60 (mm)
Weight		120 gr
Country of origin		Italy

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