



PROBE 03E

Electric Field Probe: E Field, 100 kHz ÷ 18 GHz

Key Features:

- Frequency range: 100 kHz ÷ 18 GHz
- Dynamic Range: 52 dB
- Directivity: Isotropic

Typical Applications:

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



Information subject to change without prior notice

HAVSCO LTD

Tudor House, Grammar School Road, North Walsham, Norfolk NR28 9JH UK
T: 016 92 40 06 35 E: sales@havsco.co.uk W: www.havsco.co.uk



PROBE 03E

Electric Field Probe: E Field, 100 kHz ÷ 18 GHz

Description

The probe 03E probe is based on a set of three mutually orthogonal diode dipoles. The three voltages which correspond to the spatial components are available individually at the probe output. The NHT 310 or NHT 3D meter calculates the resulting isotropic field strength.

This probe detects magnetic fields from 100 kHz to 18 GHz covering those fields that typically occur in broadcasting, telecoms, ISM and industry. The characteristics of this probe comply with the requirements for instruments measuring human exposure to magnetic fields as required by law in both public and professional environments.

TECHNICAL SPECIFICATION	
Frequency range	100 kHz ÷ 18 GHz
Type of frequency response	Flat
Measurement range	0.8 ÷ 340 V/m (cw)
Dynamic range	52 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	327 x 60 Ø(mm)
Weight	135 g
Country of origin	Italy

Information subject to change without prior notice

HAVSCO LTD

Tudor House, Grammar School Road, North Walsham, Norfolk NR28 9JH UK
 T: 016 92 40 06 35 E: sales@havsco.co.uk W: www.havsco.co.uk