



PROBE 11E

Electric Field Probe: E Field, 5 Hz ÷ 400 kHz

Key Features:

- Frequency range: 5 Hz ÷ 400 kHz
- Dynamic Range: 60 dB
- Directivity: Isotropic

Typical Applications:

- High Power Lines.
- Electricity Transformer stations
- Electric Railways
- HV systems



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



Description

The 11E probe is based on a set of three mutually orthogonal capacitors. 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.

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. The 11E probe can detect fields in the frequency range from 5 Hz to 400 kHz which are typically found in environments where high voltage power lines and /or electricity transformer stations are present.

TECHNICAL SPECIFICATION	
Frequency range	5 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
Accuracy	
Flatness frequency response	±0.5 dB (50 Hz ÷ 50 kHz) @1000 V/m ±1 dB (50 Hz ÷ 400 kHz) @1000 V/m
Linearity	±0.5 dB (>200 V/m)
Isotropic response (@100 MHz)	±0.5 dB

GENERAL SPECIFICATION	
Calibration Frequencies	5-15-50-100-500-1500-5000-15000-50000-100000-400000 (Hz)
Recommended Calibration Interval	24 months
Operation temperature	0°C ÷ 50°C
Size	365 x 120 Ø□(mm)
Weight	210 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