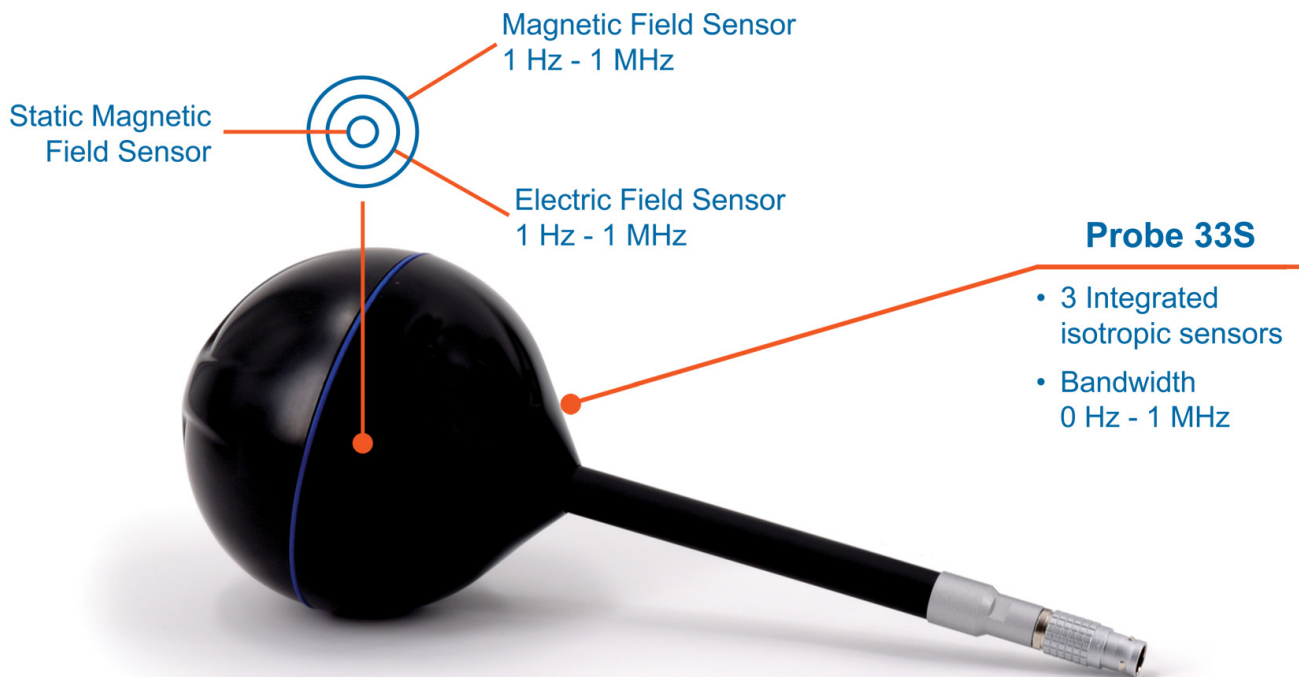




33S TRIPLE PROBE

Electric, Magnetic and Magnetostatic Fields



INTEGRATED TRIPLE SENSOR FROM 0 Hz TO 1 MHz

The 33S probe is one sensor for three physical quantities: a triple isotropic sensor for measuring magnetostatic, electric and magnetic fields.

In conjunction with the NHT 3DL meter, it allows simultaneous measurement and display of the electric and magnetic field from 1 Hz to 1 MHz. Selection of the quantity to be measured and represented is managed by the meter.

Thanks to its bandwidth, the 33S probe allows for the measurement of emissions generated by medical devices both surgical (electrosurgical), therapeutic (magnetotherapy) and diagnostic (magnetic resonance).

Key Features:

33S (Electric Probe): E Field

- Frequency Range: 1 Hz ÷ 1 MHz
- Dynamic: > 100 dB
- Directivity: Isotropic

33S (Magnetic Probe): B Field

- Frequency Range: 1 Hz ÷ 1 MHz
- Dynamic: > 100 dB
- Directivity: Isotropic

33S (Magnetostatic Probe): BDC Field

- Frequency Range: DC
- Dynamic: > 80 dB
- Directivity: Isotropic

Compatibility:

- NHT 3DL Meter

Main Applications:

- Energy
- Diagnostic Medicine
- Automotive
- Railways
- Industrial
- Military



TECHNICAL SPECIFICATIONS			
	E Field	B Field	Bdc Field
Field type	Electric	Magnetic induction	Magnetostatic
Sensor type	Capacitor	Coil	Hall
Bandwidth	1 Hz ÷ 1 MHz	1 Hz ÷ 1 MHz	DC
Response type	Flat	Flat	-
Frequency response	±3dB (1Hz÷1MHz) ±1dB (10Hz÷400KHz) @200V/m	±3dB (1Hz÷1MHz) ±1dB (10Hz÷400KHz) @20 µT	-
Measurement range	1 V/m ÷ 100 kV/m	150 nT ÷ 15 mT	5 µT ÷ 60 mT
Dynamic	100 dB	100 dB	80 dB
Linearity	±0.7 dB (>200V/m) @50Hz	±0.7 dB (>2 µT) @50Hz	±0.5 dB (>50µT)
Directivity	Isotropic	Isotropic	Isotropic
Isotropy	±1 dB	±1 dB	±1 dB

GENERAL CHARACTERISTICS	
Recommended calibration interval	24 months
Operating temperature	0°C ÷ 50°C
Size	325 x 120 Ø (mm)
Weight	200 g
Country of origin	Italy

