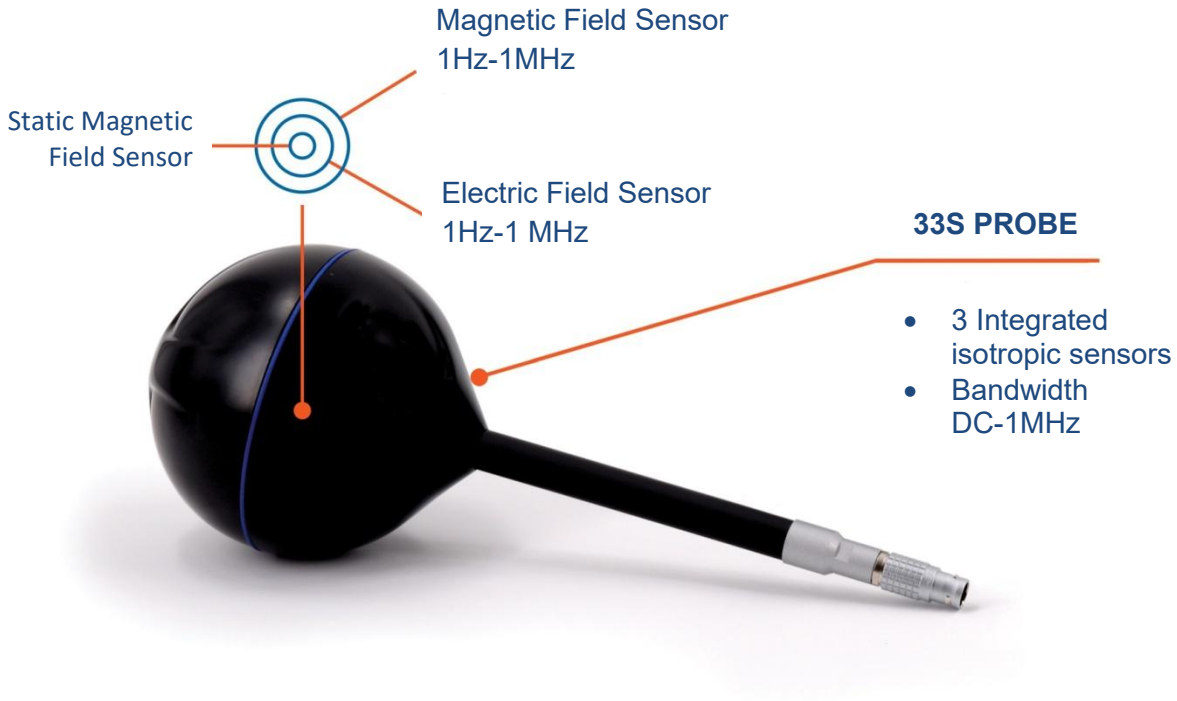


33S PROBE

Electric, Magnetic and Magnetostatic Fields



INTEGRATED TRIPLE SENSOR FROM 0Hz to 1MHz

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).

Information subject to change without prior notice

MICRORAD

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Main Applications:

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

Key Features:

33S (Electric Sensor): E Field

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

Field 33S (Magnetic Sensor): B Field

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

33S (Magnetostatic Sensor): BDc Field

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

Compatibility

- NHT3DL Meter
- NHT310F Meter

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TECHNICAL SPECIFICATIONS			
	E Field	**B Field**	**B_{Dc} Field**
Field Type	Electric	Magnetic Induction	Magnetostatic
Sensor Type	Capacitor	Coil	Hall
Bandwidth	1Hz ÷ 1MHz	1Hz ÷ 1MHz	DC
Response Type	Flat	Flat	-
Frequenza Response	±3db (1Hz÷1MHz) ±1db (10Hz÷400KHz) @200 V/m	±3db (1Hz÷1MHz) ±1db (10Hz÷400KHz) @20 uT	-
Measurement Range	1 V/m ÷ 100 KV/m	150 nT ÷ 15mT	5uT ÷ 60mT
Linearity	±0.7db (>200V/m) @50Hz	±0.7db (>2uT) @50Hz	±0.5db (>50uT)
Directivity	Isotropic	Isotropic	Isotropic
Isotropy	±1db	±1db	±1db

GENERAL CHARACTERISTICS	
Recommended Calibration Interval	24 months
Operating Temperature	0°C ÷ 50°C
Dimensions	325 x 120 Ø (mm)
Weight	200 g
Country of origin	Italy

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