









## 33P TRIPLE PROBE

**Electric, Magnetic and Magnetostatics Field** 

### **Main Features:**

#### 33P (Electric Probe): E field

Frequency Range: 1 Hz ÷ 400 kHz

Dvnamic: > 86 dBDirectivity: Isotropic

#### 33P (Magnetic Probe): B field

Frequency Range: 1 Hz + 400 kHz

Dynamic: > 94 dBDirectivity: Isotropic

## 33P (Magnetostatic Probe): Poc field

Frequency Range: DC
Dynamic: > 70 dB
Directivity: Isotropic

### Compatibility:

NHT3D Meter

## Main applications:

- Energy
- Medical
- Automotive
- Railways
- Industrial
- Military



Information subject to change without prior notice

MICR(m) RAD

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# 33P TRIPLE PROBE

**Electric, Magnetic and Magnetostatics Field** 

## **Description:**

The Microrad 33P probe consists of three different sensors combined into one: an electric field sensor (E), a magnetic induction sensor (B) and a static magnetic field sensor ( $B_{DC}$ ). The operator can select the required sensor type by means of the switch located at the base of the probe.

Each sensor within the probe is based on a set of three mutually orthogonal sensitive elements. The signals from the sensors, corresponding to the spatial components of the selected field, are used by the NHT3D instrument to calculate the isotropic value.

TECHNICAL SPECIFICATIONS			
	E field	B field	B <sub>DC</sub> field
Field type	Electric	Magnetic induction	Magnetostatic
Sensor type	Capacitor	Coil	Hall
Bandwidth	1 Hz ÷ 400 kHz	1 Hz ÷ 400 kHz	DC
Response type	Flat	Flat	-
Frequency response	±1dB (10Hz÷400kHz) @ 200V/m	±1 dB (10Hz÷400KHz) @ 20 µT	-
Measurement range	1 V/m ÷ 20 kV/m	300 nT ÷ 16 mT	1 μT ÷ 4 mT
Dynamic	86 dB	94 dB	72 dB
Linearity	±0.7 dB (>200V/m) @50Hz	±0.7 dB (>2 μT) @50Hz	±0.5 dB (>10µT)
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	365 x 120 Ø □(mm)	
Weight	300 g	
Country of origin	Italy	

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