

# WP50 Probe

## 10 Hz - 3 kHz



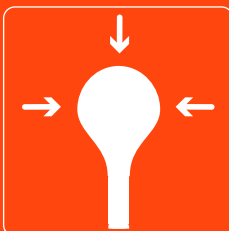
- Electric & Magnetic field measurement
- Isotropic & True RMS measurement
- Probe weighted dependant on the selected limit
- Measurements in accordance with IEC 62110 and IEC 61786

10 Hz - 3 kHz

E & H

RMS

ISOTROPIC



**Power grid**  
Spot or continuous measurement of E and H at transformer stations and high-voltage lines.



**Railway**  
Measurement of E and H fields generated in trains or near railway facilities.



**Industry**  
Measurement in manufacturing facilities with strong electromagnetic fields to ensure workplace safety.

## Technical Specifications

Frequency range	10 Hz - 3 kHz
Sensor type	Isotropic, RMS Combined measurement of electric and magnetic field
Type of frequency response	1) Weighted (Results displayed in % of the selected standard) 2) Flat response (Results in V/m, $\mu$ T, etc.)
Exposure limits (probe in weighted mode)	Public and occupational ICNIRP 2010 Customizable to other standards
Measurement range	
Weighted mode (ICNIRP 2010)	→ E field: 0.025 % - 200 % of limit (RMS value) H field: 0.025 % - 200 % of limit (RMS value)
Field Strength Mode	→ E field: 2.5 V/m - 20000 V/m (RMS) H field: 0.25 $\mu$ T - 2000 $\mu$ T (RMS)
Dynamic range	78 dB
Sensitivity	Weighted (E, H) 0.025 % Flat response E field 2.5 V/m Flat response H field 0.25 $\mu$ T
Frequency response	$\pm 20$ % (typ.) of standard (25 Hz - 1 kHz) $\pm 25$ % (max.)
Linearity	$\pm 1$ % (typ.) (1 % - 100 % of standard) $\pm 2$ % (max.)
Isotropic response	$\pm 5$ % (typ.)
Calibration	ISO 17025 Accredited Calibration (ILAC)
Calibration period	24 months (recommended)
Operating temperature	- 15 °C to 50 °C
Dimensions	270 mm x 115 mm $\varnothing$
Field sensor area	100 cm <sup>2</sup>
Weight	210 g

Product specifications and descriptions in this document subject to change without notice.



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