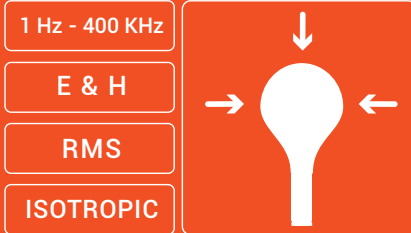


# WP400 Probe

## 1 Hz - 400 kHz



- Electric & Magnetic field measurement
- Isotropic & True RMS measurement
- Spectrum analysis probe
- Measurements in accordance with International Standards
- 100 cm<sup>2</sup> sensor



### Power grid

Measurement of the exposure to EM fields at transformer stations and high-voltage lines.



### Railway

Measurement of EM fields in trains and in the railway environment with respect to human exposure.



### Industry

Assessment of workers' exposure to EM fields in all kind of manufacturing facilities.



## Technical Specifications

	Electric Field	Magnetic Field
Sensor type	Isotropic patented electrodes	
Frequency range	1 Hz – 400 kHz	1 Hz – 400 kHz
<b>Field Strength Mode</b>		
Measurement range	1 V/m to 100 kV/m	50 nT - 10 mT (100 Hz - 10 kHz) · Upper range increases linearly with decreasing frequency below 100 Hz. · Upper range decreases linearly with increasing frequency above 10 kHz.
Graphical display	RMS, Axis Values, AVG, MAX, MIN, PEAK, RMS time graph	
Peak value	digital realtime	digital realtime
Resolution	< 0.4 mV/m above 8 Hz	< 0.1 nT (at 50 Hz) and < 0.05 nT above 100 Hz
Noise level	< 1 V/m (10 Hz - 400 kHz)	< 50 nT (10 Hz – 400 kHz)
<b>Weigthed Peak Method mode</b>		
Measurement range	200 % (min)	200 % (min)
Graphical display	PEAK (%), AXIS VALUES (%), AVG (%), MAX (%), MIN (%), RMS (%), Time graph	
Standards/Limits	EU Directive 2013/35/EU, FCC/IEEE, ICNIRP, BGV B11. Easy software update to future modifications and to other limits.	



WP400\_EN\_1904\_V2.2

# WP400 Probe

## 1 Hz - 400 kHz



### Technical Specifications

	Electric Field	Magnetic Field
<b>FFT Mode</b>		
<b>Measurement range</b>	4 mV/m – 100 kV/m	0.5 nT – 10 mT (100 Hz - 10 kHz) · Upper range increases linearly with decreasing frequency below 100 Hz. · Upper range decreases linearly with increasing frequency above 10 kHz.
<b>Graphical display</b>	Frequency analysis, total field and axis	
<b>SPAN (Resolution)</b>	400 Hz (1 Hz) - 4 kHz (10 Hz) - 40 kHz (100 Hz) - 400 kHz (1 kHz)	
<b>Noise level</b>	< 4 mV/m	< 0.5 nT
<b>FFT</b>	1024 point FFT	
<b>General Specifications</b>		
<b>Isotropy</b>	± 5 %	± 4 %
<b>Typical Uncertainty (1)</b>	0.67 dB	0.60 dB
<b>Temperature deviation [typ. at 60 Hz] (referred to 25 °C, 50 % relative humidity)</b>	- 0.005 dB/°C (- 15 °C to 40 °C)	- 0.003 dB/°C (- 15 °C to 25 °C) + 0.003 dB/°C (25 °C to 40 °C)
<b>Damage level</b>	> 200 kV/m	> 2000 mT up to 60 Hz Damage level decreases linearly with increasing frequency above 60 Hz
<b>Linearity</b>	± 1 % (typ.) ± 2 % (max.)	
<b>Weight</b>	220 g	
<b>Probe size</b>	280 mm x 128 mm Ø	

(1) Total, counting isotropy, temperature deviation, resolution, frequency response, linearity, repeatability.



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