

# WPF40 Probe

## 1 MHz – 40 GHz



- Electric field measurement
- Isotropic & True RMS measurement
- High dynamic range of 60 dB
- Excellent attenuation at 50/60 Hz
- Measurements in accordance with International Standards

1 MHz - 40 GHz

E

RMS

ISOTROPIC



**Telecommunications**  
Certification and audit of telecommunication services (GSM, 3G, LTE, TDT, FM, WiFi, etc.).



**Industry**  
Assessment of industrial processes for worker's exposure protection.



**Defence**  
Assessment of military sites and personnel exposure protection.



**Labs/R&D**  
RF exposure protection of R&D and labs personnel.



## Technical Specifications

Frequency range	1 MHz - 40 GHz
Sensor type	Isotropic RMS diode technology
Type of frequency response	Flat
Measurement range	1 – 1000 V/m (CW) 1 – 55 V/m (RMS)
Dynamic range	60 dB
Sensitivity	1 V/m
Frequency response (*)	± 2 dB (2 MHz – 17 GHz) ± 3 dB (17 GHz – 40 GHz) - 3 dB @ 1 MHz
Linearity	± 2 dB (1 – 2 V/m) ± 1 dB (2 – 250 V/m)
Isotropic deviation	± 1 dB (< 12 GHz) ± 2 dB (12 GHz to 40 GHz)
Damage level (CW)	1200 V/m
Calibration	ISO 17025 Accredited Calibration (ILAC)
Calibration period	24 months (recommended)
Temperature range	- 20 °C to 50 °C
Temperature response	+ 0.1 / - 1 dB (related to 20 °C)
Dimensions	28.4 cm x 6 cm Ø
Weight	95 g
Attenuation at 50/60 Hz	> 40 dB

(\*) The frequency response can be corrected with the SMP2 by using the correction factors stored in the probe (ISO 17025 accredited calibration).

Compatible with **SMP2**, **MonitEM**, **MapEM**

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



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