

WPF90 Probe

30 MHz – 90 GHz



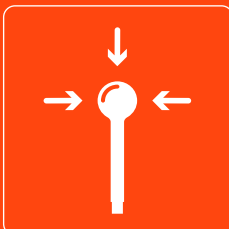
- Electric field measurement
- Isotropic & True RMS measurement
- Excellent attenuation at 50/60 Hz
- Measurements in accordance with International Standards

30 MHz - 90 GHz

E

RMS

ISOTROPIC



Telecommunications
Certification and audit of telecommunication services (GSM, 3G, 4G, 5G FR1, 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	30 MHz - 90 GHz
Sensor type	Isotropic RMS diode technology
Type of frequency response	Flat
Measurement range	1.2 – 1000 V/m (CW) 1.2 – 70 V/m (RMS)
Dynamic range	58 dB
Sensitivity	1.2 V/m
Frequency response (*)	± 3 dB (30 MHz – 50 GHz) ± 1/-6 dB (50 GHz – 60 GHz) 0/-10 dB (60 GHz – 90 GHz)
Linearity	± 1 dB (2 – 250 V/m)
Isotropic deviation	± 1 dB (< 12 GHz) ± 2 dB (12 GHz to 60 GHz) ± 3.5 dB (60 GHz to 90 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/SMP3 by using the correction factors stored in the probe during calibration.

Compatible with **SMP2**, **SMP3**, **MonitEM**, **MonitEM-Lab**, **MapEM**



WPF90_EN_2503_v1.0



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