

Isotropic Electric Field Probe PI-07:

2 MHz- 60 GHz, 4 V/m -1000 V/m

Ultrabroadband isotropic electric field probe **PI-07** extends the requirements of most EMC and RF safety standards for industrial, military and communication applications. It covers all RF and microwave frequency bands from MF up to M band, thus providing a versatile measuring tool for all **5G** upcoming applications.

Main Parameters *

- Diode based 3-Axial isotropic sensor.
- Frequency range: **2MHz-60 GHz.**
- Field strength range: **4 V/m-1000 V/m.
4 μ W/cm² – 270 mW/cm²**
- Linearity: **+/- 1.5 dB.**
- Linear power RMS response **up to 150V/m (6 mW/cm²)**
- Frequency resp. (no corr. factors): **2 MHz-1 GHz (+/-2 dB)
1-26 GHz (+0/-6 dB)
26-60 GHz (+/- 6 dB)**
- Frequency resp, (with corr. factors): **+/- 1.5 dB.**
- Measurement uncertainty, including the calibration and rotational deviation **+/- 4.5 dB.**
- Rotational isotropicity: **+/-3 dB**
- Temperature: **5-40 °C,**
- Humidity (non-condensing): **RH 10-90%.**
- Temperature error: **0.05 dB/°C.**
- **UK NPL** traceable calibration.
- Probe size (LxD): **12.0"x2.25" (310x58 mm).**
- Weight (probe and power unit): **0.17 lb (76 g).**
- Operates with **RFP-05M/RFP-05** meters
- Designed and made in the **USA.**

* *Specification may be changed to reflect the design progress.*

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Probe PI-07



Meter RFP-05M