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 uW/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.