

Probe PI-01

for Smart Fieldmeter® and Smart Fieldmeter® Digital meters

Isotropic Broadband Electric Field Probe

PI-01: 200 KHz- 3 GHz, 0.2 - 600 V/m

Classic design probe PI-01, meets the requirements of present EMC and RF safety standards. It allows measurements of RF fields produced by most of the broadcast, telecommunication and industrial sources. High sensitivity and stability of the parameters ensures a long term field life.

Main Parameters*

- Diode based: 3-Axial isotropic sensor.
- High sensitivity: 0.2 V/m.
- Linearity: +/- 0.5 dB (1-400 V/m),
+/- 1 dB (400-600 V/m).
- Dynamic range: >70 dB (single range).
- Frequency response (without correction factors):
+/- 1 dB (2 MHz–2 GHz),
–3 dB @ 3 GHz, –3 dB @ 200 KHz
- Frequency response (with correction factors):
200 KHz-1 GHz (+/1 dB),
1- 3 GHz (+/- 1.5 dB).
- Rotational isotropicity: <1 dB (typical 0.5 dB).
- Calibration accuracy (at specified freq.) <1 dB.
- Temperature: 5-40 °C,
- Humidity: RH 10-90%, non-condensing.
- Temperature error: <0.05 dB/°C (field > 2 V/m).
- UK NPL or NIST traceable calibration.
- Small size: LxD: 9.0x2.25 inch, 230x58 mm.
- Weight: 0.2 lb, 100 g.
- Operates with both RFP-04 and RFP-05 meters.
- **Designed and made in the USA.**

* All system parameters are given for RFP-05 meter.

* Specification may be changed to reflect the design progress.

