Probe PI-01E

for Smart Fieldmeter® and Smart Fieldmeter® Digital meters

Isotropic Broadband Electric Field Probe
PI-01E: 100 KHz- 6 GHz, 0.3 - 600 V/m

State of the art probe PI-01E, meets the requirements of new EMC and RF safety standards. It allows measurements of RF fields produced by most of the broadcast, telecommunication and industrial sources. This probe eliminates the need for two probes to cover the required frequency range 100 KHz- 6 GHz, thus making measurements simpler and faster.

Main Parameters*

- Diode based: 3-Axial isotropic sensor.
- High sensitivity: 0.3 V/m.
- Linearity: +/- 0.5 dB (1-400 V/m),
  +/- 1 dB (400-600 V/m).
- Dynamic range: >66 dB (single range).
- Frequency response (without correction factors):
  100 KHz-10 MHz (+2.5, -3 dB),
  10 MHz-2 GHz (+/- 1 dB),
  2-6 GHz (+1, - 4 dB).
- Frequency response (with correction factors):
  100 KHz-1 GHz (+/1 dB),
  1- 6 GHz (+/- 1.5 dB).
- Rotational isotropicity: <1 dB (typical 0.5 dB).
- Calibration accuracy (at specified freq.) <1 dB.
- Temperature: 5-40 ℃,
- Humidity: RH 10-90%, non-condensing.
- Temperature error: <0.05 dB/℃ (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.

Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com