Probe PI-01V

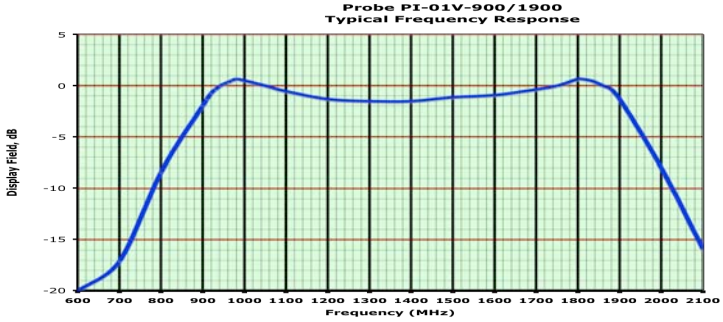
for Smart Fieldmeter® and Smart Fieldmeter® Digital meters

Isotropic Dual Band Electric Field Probe
PI-01V: 900/1900 MHz, 0.2 - 400 V/m

Dual band probe PI-01V was designed for selective RF measurements. The ability to select only specified frequency bands and reject all the rest makes it invaluable tool for cell phone tower certification.

Main Parameters*

- Diode based: 3-Axial isotropic sensor.
- High Sensitivity: 0.2 V/m.
- Linearity: +/- 0.5 dB (1-400 V/m).
- Dynamic range: >66 dB (single range).
- Selective frequency range: 900-1900 MHz.
- Calibration frequency ranges:
  925-960 MHz and 1805-1880 MHz
- In band response flatness:
  +/- 1 dB (925-960 MHz),
  +/- 1 dB (1805-1880 MHz),
- Off band attenuation:
  3 dB @ 880 MHz, >10 dB @ F<750 MHz,
  3 dB @ 1950 MHz, >10 dB @ F>2050 MHz.
- 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.*