**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 an 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 range: 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.

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