**Probe PI-03**
for Smart Fieldmeter® and Smart Fieldmeter® Digital meters

Isotropic Broadband Electric Field Probe
PI-03: 3MHz-18 GHz, 0.8 - 800 V/m

Classic design probe PI-03, meets the requirements of most EMC and RF safety standards for industrial, military and radar communication applications. High overload limit and stability of the parameters make this probe a versatile measuring tool for all use cases.

**Main Parameters**

- Diode based: 3-Axial isotropic sensor.
- Sensitivity: 0.8 V/m.
- Linearity: +/- 0.5 dB (1-400 V/m),
  +/- 1 dB (400-800 V/m).
- Dynamic range: >60 dB (single range).
- Frequency response (without correction factors):
  +/- 1.5 dB (10 MHz–6 GHz), -3 dB @ 3 MHz,
  +/- 3 dB (6 GHz–12 GHz).
- Frequency response (with correction factors):
  +/- 1.0 dB (10 MHz–12 GHz),
  +/- 3 dB (12 GHz–18 GHz).
- Rotational isotropy:
  +/- 0.5 dB (3 MHz–6 GHz),
  +/- 2 dB (6 GHz–18 GHz).
- 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.*