

## 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 isotropicity:  
+/- 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.



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