

## Smart Fieldmeter®

Smart Fieldmeter® can be used for evaluation and measurements of EM fields from various sources:

- AM/FM/TV and GSM Cellular stations.
- Transmitters and CB radios.
- Cell phones.
- Microwave ovens.
- RFID antennas.
- Industrial, scientific and medical equipment.
- GTEM cells and antennas for EMC testing of consumer, industrial, automotive and military products.



### Smart Fieldmeter®

Electromagnetic (EM) field monitor combining the major features of professional quality test equipment with convenience and simplicity of multimeter for users on a budget.

**Multimode** (Average, Peak and Pulse) operation allows monitoring of steady state and modulated fields.

**Portable** lightweight design with long lasting battery and detachable isotropic probe offers advantages in the field.

**Remote output** monitoring is used for data analysis, storage and fast response close loop control.

**Tripod** mounting of the probe and meter facilitates the EM field measurements in the laboratory setting.



# Smart Fieldmeter®



- Auto zeroing.
- Warranty 1 year.
- **US NIST** (USA National Institute of Standards) or **UK NPL** (UK National Physical Laboratory) traceable certificate is supplied with every unit.



## Specifications

### **Broadband Kits:**

#### **Kit 1: Probe PI-01/Meter RFP-04CE**

- Frequency range: **0.2 MHz - 3 GHz.**
- Dynamic range: **0.2 - 500 V/m.**

#### **Kit 1E: Probe PI-01E/Meter RFP-04CE**

- Frequency range: **0.1 MHz - 6 GHz.**
- Dynamic range: **0.3 - 600 V/m.**

#### **Kit 2: Probe PI-02/Meter RFP-04HF**

- Frequency range: **2 MHz - 12.5 GHz.**
- Dynamic range: **0.5 - 800 V/m.**

#### **Kit 3: Probe PI-03/Meter RFP-04HF**

- Frequency range: **3 MHz - 18 GHz.**
- Dynamic range: **0.8 - 800 V/m.**

### **Selective Dual band Kit:**

#### **Kit 4: Probe PI-01V/Meter RFP-04CE:**

- Frequency range: **800 -1900 MHz.**
- Dynamic range: **0.4 - 500 V/m.**

## System Parameters:

- Isotropic probes.
- Calibration Accuracy: +/-0.5 dB
- Linearity deviation: +/- 1 dB.
- Modes: Average, Peak, and Pulse.

## Purchasing the Smart Fieldmeter®

You may find more information about our products and buy the Smart Fieldmeter® from our web site: [www.emctd.com](http://www.emctd.com).

To inquire about Smart Fieldmeter® send us e-mail [exid@emctd.com](mailto:exid@emctd.com), or give us a call: 508-292-1833.

We can arrange the demonstration of Smart Fieldmeter® by our distributor in your country.

Our mail address:

EMC Test Design, LLC® P.O. Box 600532, Newton, MA 02460, USA.

