Smart Fieldmeter®



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.



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.

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.

To inquire about Smart Fieldmeter® send us e-mail 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.