

Smart Fieldmeter® System for General Purpose Use



EMF/RF Broadband Safety Tester 
Digital Smart Fieldmeter® General Purpose System
LBA SKU: DIGPE-3000*

High quality, modestly priced digital RF survey system!

The EMCTD digital Smart Fieldmeter® is easy to read and to operate, with an outstanding feature set. The broadband EMCTD electromagnetic probe covers the 0.2 to 3000 MHz spectrum where most common industrial, communications, medical and government RF emitters are found. The DIGPE-3000 system enables checking of home, office, and workplace RF levels.

The system is designed to conveniently measure RF levels around WiFi access points, RFID systems and rooftop antennas; to find transmitter cabinet radiation, locate transmission line leaks, to identify non-radiating antenna elements, and much more. With the supplied NIST-traceable calibration, this system supports laboratory testing of RF devices in compliance with present EMC and RF safety standards.

The system includes extension ports for remote metering, data logging, and fiberoptic isolation options. A desk tripod is included for measurement flexibility, and the system can also mount to standard tripods for fixed monitoring. The rechargeable 55 hour battery or external power facilitates unattended monitoring. Internal data logging, removable memory card, alarm, time and spatial averaging, auto-zero and auto-ranging functions ensure maximum measurement flexibility.

WHAT YOU GET:

- 1 ea RFP-05M Digital Smart Fieldmeter®
- 1 ea PI-01 Probe, electric field, 0.2 – 3000 MHz
- 1 ea Stand, non-metallic portable
- 1 ea Mounting clip, probe
- 1 ea Cable, probe coaxial 39" (1.0m)
- 1 ea Power supply, wall, Universal (100V-240V)
- 1 ea Manual, User
- 1 ea Certificate, probe calibration
- 1 ea Carrying case, hard side, compartmented
- 1 ea One-year warranty



SPECIFICATIONS

Isotropic Broadband Electric Field Probe - EMCTD PI-01 200 KHz- 3 GHz, 0.2 - 600 V/m

Classic design probe PI-01, meets the requirements of present EMC and RF safety standards. It allows measurements of RF fields produced by most of the broadcast, telecommunication and industrial sources. High sensitivity and stability of the parameters ensures a long-term field life.

Main Parameters:

- Diode based: 3-Axial isotropic sensor.
- High sensitivity: 0.2 V/m.
- Linearity: +/- 0.5 dB (1-400 V/m), +/- 1 dB (400-600 V/m).
- Dynamic range: >70 dB (single range).
- Frequency response (without correction factors):
 - +/- 1 dB (2 MHz–2 GHz), –3 dB @ 3 GHz, –3 dB @ 200 KHz
- Frequency response (with correction factors): 200 KHz-1 GHz (+/- 1 dB), 1- 3 GHz (+/- 1.5 dB).
- Rotational isotropicity: <1dB.
- 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-05M meters.
- Designed and made in the USA.

SPECIFICATION FOR SMART FIELDMETER® DIGITAL MODEL RFP-05M

Description	Smart Fieldmeter® Digital. Model RFP-05M Advanced design meter measuring the composite isotropic RF field strength. Multi-probe unit with built-in recording capabilities.
Benefits	Meter supports up to four different probes and stores the results on the removable memory card. Has auto ranging, auto zeroing, and alarm and performs time and spatial averaging. Fully adjustable data logging with time and GPS* position stamp. Bidirectional link to a PC with wired optically decoupled or fiber optic connection. Flexible and upgradeable architecture
Field Range	0.2 V/m-800 V/m
Calibration	United Kingdom NPL traceable
Warranty	1 Year, parts and labor.

Made by	EMC Test Design, LLC USA
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**Specification subject to change without notice, designated features optional.*

Contact LBA for Quotes and Orders!

Click here for LBA's Full Product Line of EMCTD RF Safety Survey Systems



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