

Smart Fieldmeter® System For General Purpose Use



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

Highest quality, lowest priced RF survey system!

The EMCTD analog Smart Fieldmeter® is easy to read and to operate. 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 ANGPE-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.

With the probe attached to the Smart Fieldmeter®, a lightweight handheld RF tester is achieved. The system also includes a port and extension cable for remote metering or data logging. An extension probe cable and desk tripod is included for measurement flexibility, and the system can also mount to standard tripods for fixed monitoring. The 100 hour battery life facilitates unattended monitoring.

WHAT YOU GET:

- 1 ea RFP-04 Analog Smart Fieldmeter®
- 1 ea PI-01 Probe, electric field, 0.2 – 3000 MHz
- 1 ea Stand, non-metallic portable
- 1 ea Cable, remote meter 72" (1.8m)
- 1 ea Cable, probe coaxial 48" (1.2m)
- 1 ea Battery, 9 volt alkaline
- 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 - 500 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-04

Description	Meter measuring the composite isotropic RF field strength. Single probe unit with simplest user interface.
Benefits	Measures the RF field strength with one dedicated probe. Uses decoupled wired or fiber optic link to a PC. Peak, Pulse and Average modes. Semiautomatic auto zeroing. Classic time proven design.
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

** Specifications 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



3400 Tupper Drive | Greenville, NC 27834 | 252-757-0279
lbagrp@lbagroup.com | www.lbagroup.com