

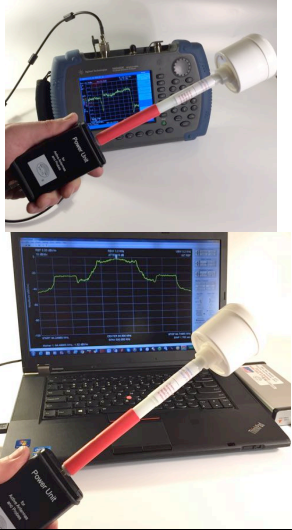


Application Guide

For Smart Fieldmeter®, Smart Fieldmeter® Digital and Omnifield Antenna®

	Smart Fieldmeter® Digital. Models RFP-05M	Smart Fieldmeter® Model RFP-04	Omnifield Antenna® Models OFA-G, OFA-GH
Look			
Description	Isotropic 3-axis probe with advanced design meter measuring the RF field strength. Multi-probe unit with built-in recording capabilities.	Isotropic 3-axis probe with meter measuring the RF field strength. Single probe unit with simplest user interface.	Unique Isotropic 3-axis antenna, producing the RF signal proportional to the RF field strength. Operates with any spectrum analyzer: stand alone and PC USB.
Applications	<ul style="list-style-type: none"> - EMC testing for CE, MIL and industrial EMC qualification. - RF field strength monitoring for health, safety and industrial or military environmental control. - RF compliance testing of active transmitters: TV, Cell Towers, Radio and other industrial sources. - RF monitoring of MW ovens and other industrial power RF applications. - Scientific and medical research of biological effects of electromagnetic radiation and electrosmog. 	<ul style="list-style-type: none"> - EMC testing for CE, MIL and industrial EMC qualification. - RF field strength monitoring for health, safety and industrial or military environmental control. - RF compliance testing of active transmitters: TV, Cell Towers, Radio and other industrial sources. - RF monitoring of MW ovens and other industrial power RF applications. - Scientific and medical research of biological effects of electromagnetic radiation and electrosmog. 	<ul style="list-style-type: none"> - Selective measurement of RF signals when spectral analysis of the field is important. - RF field strength monitoring for health, RF safety and industrial or military environmental control. - Scientific and medical research of biological effects of electromagnetic radiation and electrosmog. - RF signals area monitoring. Can be combined into network of antennas for continuous RF field surveillance. - Ideal for aerial drone applications. Can be used on a drones for antenna tower field monitoring.

Benefits	<p>The versatile EMC test lab in your hand. Meter supports up to four different probes and stores the results on the removable memory card. Has auto ranging, auto zeroing, 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.</p>	<p>Simple professional field strength meter for field and lab use. 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.</p>	<p>The unique isotropic small size RF antenna operating with any spectrum analyzer of your choice. Output RF signal is proportional to the RF field strength amplitude. Measures simultaneously the field strength and the frequency of the RF transmitters. Can be used both for near field emissions (OFA-G) and high field strength immunity (OFA-GH) measurements. Portable low power consumption design.</p>
Frequency Response	<p>Specified by the probe type. Supports all electric field probes (10 KHz- 60 GHz), magnetic field probe (500 KHz-50 MHz) and electric pulsed field probe (100 MHz-18 GHz). Deviations are specified by frequency correction factors.</p>	<p>Specified by the probe type. Supports one electric field probe (10 KHz -18 GHz). Deviations are specified by frequency correction factors.</p>	<p>Specified by the antenna factors in the frequency range 10 MHz-6 GHz.</p>
Field Range	0.2 V/m-1400 V/m	0.2 V/m-800 V/m	1 mV/m-50 V/m (OFA-G). 10 mV/m-500 V/m (OFA-GH)
Additional Equipment	<p>Not required for normal operation. Field Gauge® is included. ODLK PC link kit, IM Insulated Modem, FOLK-02 and GPS-R receivers are available as an option.</p>	<p>Not required for normal operation. Field Gauge® is included. PCLK-01 PC link kit, FOLK-01 fiber optic link kit and data loggers are available as an option.</p>	<p>Any standard spectrum analyzer. SA-S (4.4 GHz) or SA-J (12.4 GHz) USB spectrum analyzers in SFA-G kit. Portable one is the best choice for field applications.</p>
Calibration	United Kingdom NPL traceable.	United Kingdom NPL traceable.	United Kingdom NPL traceable.
Warranty	1 Years, parts and labor.	1 Year, parts and labor.	1 Year, parts and labor.
Made by	EMC Test Design, LLC USA.	EMC Test Design, LLC USA.	EMC Test Design, LLC, USA.