



160 School House Road, Souderton, PA 18964-9990 USA
 Phone 215-723-8181 • FAX 215-723-5688

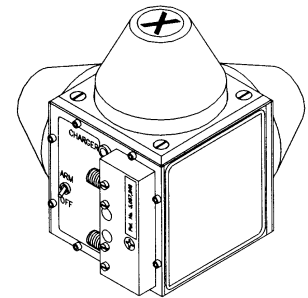
MODEL FP5000/KIT
Electric Field Probe Kit
10 kHz – 1 GHz

The FP5000/Kit contains the FP5000, 10 meter glass cable, bulkhead feedthru set and international charger.

The FP5000 is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications.

The FP5000 communicates through glass fiber optic cables* to the master control center FM5004. The operator can select any single axis of the three axis probe.

* Up to 1000 meter cable between the FM5004 and the FP5000.



Specifications
Model FP5000

<i>Frequency response</i>	<i>10 kHz - 250 MHz +/-0.5 dB</i> <i>250 MHz – 1 GHz +/-1.0 dB</i>
<i>Response Time</i>	<i>40 msec. minimum</i>
<i>Isotropy</i>	<i>+/-0.5 dB on three orthogonal axes</i>
<i>Sensitivity</i>	<i>1-300 V/M</i>
<i>Overload withstand</i>	<i>1000 V/M on any range</i>
<i>Sampling rate</i>	<i>1-26 samples/second</i>
<i>Power requirements through</i>	<i>NiCad battery, rechargeable through charging jack international. Charger provided with each probe. Battery operates up to 40 hours on a full charge, and is easily replaceable.</i>
<i>Dimensions</i>	<i>6.35 cm (2.5 in) cube with sensor radomes on three sides. Total Package fits within 20.3 cm (8 in) diameter sphere. 1/4 - 20 tapped hole in sensor base for mounting.</i>
<i>Weight</i>	<i>400 g (14 oz)</i>
<i>Ranges</i>	<i>10, 30, 100, 300 V/m</i>
<i>Operating temperate range</i>	<i>10 - 40 °C</i> <i>(50 - 104°F)</i> <i>@ 5 - 95% RH</i> <i>(non-condensing)</i>

