

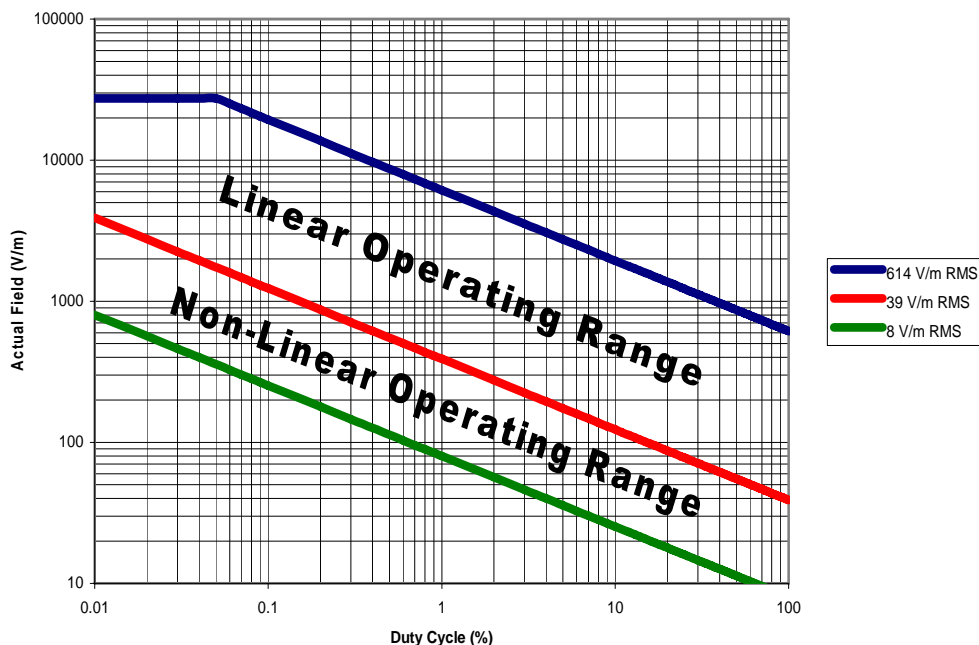
FP7050/Kit
Electric Field Probe Kit
300MHz–50GHz
8–614 V/m

The FP7050/Kit includes the FP7050 probe, 10 meter glass cable, international battery charger and carrying case.

The FP7050 is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications. The FP7050 communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FP7050) to the master control center FM7004. Unlike typical field probes that use diode sensors, the FP7050 employs a thermal sensor designed to measure the high field strength of pulsed (radar) fields. The thermal sensor design gives this probe the ability to read the true Root Mean Squared (RMS) level of a given field. This probe only returns composite values.



FP7050 Operating Limits



SPECIFICATIONS, FP7050 KIT

Frequency Response	300MHz–50 GHz
Analog Response Time	100msec
Isotropic Deviation	± 1 dB
Sensitivity	8 to 614 V/m
Linearity	± 0.5 dB (39 to 614 V/m)
Damage Level.....	1500 V/m CW and 27.5K V pulse*
Probe Sampling Rate	60Hz, 50Hz, 5 Hz. - user selectable
Data Transfer Rate	>30 samples per second
Power Requirements	2 built-in NiMH batteries, size AA, rechargeable, changed by operator, 40 hours operating life per charge.
Battery Charger	Standard recharger included, 3 hour charge time.
Dimensions.....	Approx. 420 x 85 x 65 mm including base and probe
Probe Head Diameter	65mm
Weight	350g approx.
Ranges	Single continuous range
Operating Temperature Range	0 to 50 degrees C

*Pulse length 1 usec, duty cycle 1:1000