



rf/microwave instrumentation

**Model FP7003**  
**Electric Field Probe Kit**  
**100kHz–3GHz**  
**0.4–660 V/m**

The FP7003/Kit includes the FP7003 probe, 10 meter glass cable, international battery charger and carrying case.

The FP7003 is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications. The FP7003 communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FP7003) to the master control center FM7004. The operator can select any single axis of the three axis probe or a composite reading.



**FP7003 SPECIFICATIONS**

Frequency Response (w/calibration factors applied) .....	±0.5 dB, 100kHz–100MHz ± 1.4dB, 100MHz–3 GHz
Analog Response Time .....	50 usec
Isotropic Deviation .....	± 1 dB for f > 1MHz
Sensitivity .....	0.4–660 V/m
Linearity .....	± 3 dB (0.4–1.25 V/m) ± 1 dB (1.25–2.5 V/m) ± 0.5 dB (2.5–400 V/m) ± 0.7 dB (400–800 V/m)
Damage Level.....	1600 V/m CW and 16,000 V/m peak
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 head.
Probe Head Diameter .....	65mm
Weight .....	350g approx.
Ranges .....	Single continuous range
Operating Temperature Range .....	0 to 50°C