

**Model FP7060/Kit**  
**Electric Field Probe Kit**  
**27MHz–60GHz**  
**0.7–300 V/m**

The FP7060/Kit includes the FP7060 probe, 10 meter glass cable, international battery charger and carrying case.

The FP7060 is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications. The FP7060 communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FP7060) to the master control center FM7004. This probe only returns composite values.



**FP7060 SPECIFICATIONS**

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| Frequency Response (w/calibration factors applied) ... | $\pm 0.5$ dB, 27 MHz–150 MHz<br>$\pm 0.8$ dB, 150 MHz–1 GHz<br>$\pm 0.5$ dB, 1–40 GHz<br>$\pm 1$ dB, 40–60 GHz |
| Analog Response Time .....                             | 50 usec  |
| Isotropic Deviation .....                              | $\pm 1$ dB   |
| Sensitivity .....                                      | 0.7–300 V/m  |
| Linearity .....  | $\pm 2/-3$ dB (1.0–2.0 V/m)<br>$\pm 1$ dB (2–250 V/m)  |
| Damage Level .....                                     | 1600 V/m, CW   |
| 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 .....                              | 65 mm  |
| Weight .....   | 350g approx.   |
| Ranges .....   | Single continuous range  |
| Operating Temperature Range .....                      | 0 to 50°C  |