

Model FH7110/Kit
Magnetic Field Probe Kit
27MHz–1GHz
0.025–16 A/m

The FH7110/Kit includes a FH7110 probe, 10 meter glass cable, international battery charger and carrying case.

The FH7110 is a broadband isotropic magnetic field measurement instrument for use in EMC and EMI applications. The FH7110 communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FH7110) to the master control center FM7004. The operator can select any single axis of the three axis probe or a composite reading.



FH7110 SPECIFICATIONS

Frequency Response (w/calibration factors applied) ...	± 0.5 dB, 27MHz–300 MHz ± 0.65 dB, 300 MHz–750 MHz ± 1.2 dB, 750 MHz–1 GHz
Analog Response Time	50 usec
Isotropic Deviation	± 1 dB
Sensitivity	0.025 to 16 A/m
Linearity	± 3 dB (0.025–0.05 A/m) ± 1 dB (0.05–0.1 A/m) ± 0.5 dB (0.1–3 A/m) ± 1 dB (3–16 A/m)
Damage Level	20 A/m CW, 200 A/m 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 head.
Probe Head Diameter	65 mm
Weight	350g approx.
Ranges	Single continuous range
Operating Temperature Range	0 to 50°C

*Pulse length 1 usec, duty cycle 1:100