



Model FP7003CC
Electric Field Probe with Custom Calibration
100kHz–3GHz
0.4–660 V/m

The FP7003CC is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications. The FP7003CC communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FP7003CC) to the master control center FM7004. The operator can select any single axis of the three axis probe or a composite reading.

Includes the FP7003CC probe, 10 meter glass cable, international battery charger and carrying case.



FP7003CC SPECIFICATIONS

Frequency Response (w/calibration factors applied)	± 0.5 dB, 100kHz–100MHz ± 1.4 dB, 100MHz–3 GHz
Analog Response Time	50 usec
Isotropic Deviation	± 1 dB for $f > 1$ MHz
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
Calibration Data	Accredited Calibration Report (A2LA) supplied with probe. User-specified calibration requirements must be provided using Form 647 at time of quote.