



Model FP7018CC
Electric Field Probe with Custom Calibration
3MHz–18GHz
0.6–1000 V/m

The FP7018CC is a broadband isotropic electric field measurement instrument for use in EMC and EMI applications. The FP7018CC communicates through glass fiber optic cables (up to 100 meter cable between the FM7004 and the FP7018CC) to the master control center FM7004. The operator can select any single axis of the three axis probe or a composite reading.

Includes the FP7018CC probe, 10 meter glass cable, international battery charger and carrying case.



FP7018CC SPECIFICATIONS

Frequency Response (w/calibration factors applied)	± 1.8 dB, 3MHz–10 MHz ± 0.5 dB, 10MHz–200MHz ± 1.4 dB, 200MHz–8 GHz ± 1.8 dB, 8.0 GHz–18 GHz)
Analog Response Time.....	50 usec
Isotropic Deviation.....	± 1.5 dB (10 MHz–8 GHz) ± 2 dB (f >8 GHz)
Sensitivity	0.6–1000 V/m
Linearity	± 3 dB (0.6–1.65 V/m) ± 1 dB (1.65–3.3 V/m) ± 0.5 dB (3.3–300 V/m) ± 0.7 dB (300–1000 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.