

MODEL NUMBER:

EFP60G-P

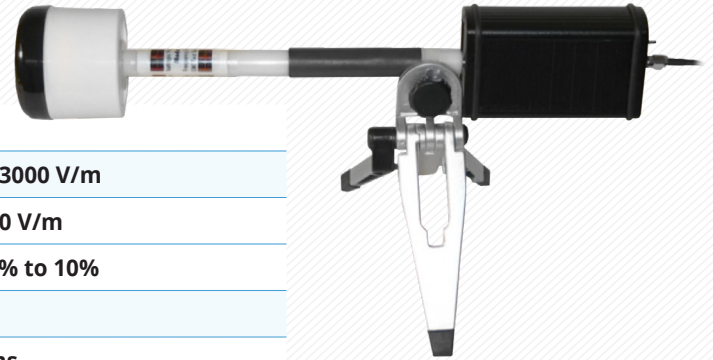
Isotropic Pulsed Electric Field Probe 100 MHz-60 GHz, 4-3000 V/m



The EFP60G-P probe works in the frequency range 100 MHz – 60 GHz, covering most of the test requirements of MIL STD-464, RTCA-DO-160, FAA HIRF Rule & Advisory Circular 20-158, Boeing, Airbus and automotive EMC GM and Ford specifications.

In Pulse mode (with included PU-5P power unit) it measures the amplitude of pulsed RF fields from RF and microwave sources (microwave radars) with fast sampling detection capability of 1 us (one microsecond). In Average mode it operates as standard isotropic field probe, measuring the RMS field strength of CW and AM/FM modulated signals.

MAIN PARAMETERS*



- Diode based 3-Axial isotropic sensor

• Field strength range (Pulse):	150-3000 V/m
• Field Strength Range (Average):	4-900 V/m
• Pulse duty cycle range:	0.01% to 10%
• Shortest pulse width:	1 us
• Longest pulse repetition period:	10 ms
• Error of duty cycle variation (E>300 V/m):	<1 dB
• Linearity:	+/- 0.5 dB
• Frequency response (no corr. factors):	
100 MHz-6 GHz	(+/- 3 dB)
6-18 GHz	(+/- 4 dB)
18-60 GHz	(+/- 6 dB)
• Frequency response (with corr. factors):	+/- 3.0 dB
• Rotational isotropicity:	<2 dB
• Rechargeable battery operating time:	>60 hrs
• Temperature:	5-40 °C
• Humidity (non-condensing):	RH 10-90%
• Temperature error:	0.05 dB/°C
• UK NPL traceable calibration	
• Probe size (LxD):	12.0"x2.25" (310x58 mm)
• Power Unit (LxWxD):	4x2.3x1.3 (100x58x33 mm)
• Weight (probe and power unit):	0.5 lb, 230 g
• Operates with RFM-05M meter	
• Designed and made in the USA	



Meter RFM-05

* Specification may be changed to reflect the design progress.

