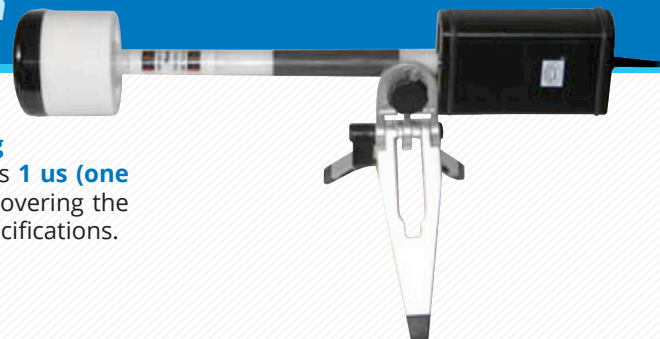


MODEL NUMBER:

EFP18G-P

Isotropic Pulsed Electric Field Probe 100 MHz-18 GHz, 70-1400 V/m

Broadband isotropic electric field probe EFP18G-P measures the pulsed RF field produced by the **microwave radars**. It has **fast sampling capability** measuring the field strength of RF bursts (pulses) as short as **1 us (one microsecond)**. It operates in the frequency range **100 MHz - 18 GHz**, covering the test requirements of MIL STD-461 and automotive EMC GM and Ford specifications.



MAIN PARAMETERS*

• Diode based 3-Axial isotropic sensor	
• Field strength range:	70-1400 V/m
• Pulse duty:	0.1-10 msec
• Pulse repetition period:	0.1-10 msec.
• Frequency of pulse repetition:	100-10000 Hz
• Shortest pulse width:	1 us
• Longest pulse repetition period:	10 ms
• Pulse amplitude measurement variation for fields >200 V/m over the range of pulse width (from 1 us to 100% duty) and period (0.1-10 msec.):	<1 dB
• Pulse amplitude measurement variation for fields >70 V/m over the range of pulse width (from 4 us to 100% duty) and period (0.1-10 msec.):	<1 dB
• Linearity:	+/- 0.5 dB
• Frequency response (no corr. factors):	100 MHz-6 GHz (+/- 3 dB), 6-18 GHz (+/- 4 dB)
• Frequency response (with corr. factors):	+/- 1.5 dB
• Rotational isotropicity:	<1 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 or NIST 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-05 meter	
• Designed and made in the USA	



Kit



Meter RFM-05

* Specification may be changed to reflect the design progress.

