

MODEL NUMBER:
EFP100M

Isotropic Electric Field Probe 1-800 V/m, 100 KHz-100 MHz

EFP100M is an isotropic electric field probe shaped with low frequency response, designed for drone measurement systems intended to perform polar measurement of antenna towers. Probe design ensures guaranteed rejection of high frequency fields generated by 800 MHz-6GHz communication systems, allowing simultaneous measurements and data transmission without interruption.

MAIN SYSTEM PARAMETERS

Frequency range:	100 KHz-100 MHz (Pass band) 800 MHz- 6 GHz (Stop band)
Diode based:	3-Axial isotropic sensor, composite output
Field strength range:	1 - 800 V/m
Power density range:	0.27 uW/cm ² - 170 mW/cm ²
Probe power nonlinearity:	Less than 1.5 dB
Rotational isotropicity:	+/-1 dB
Passband frequency response:	+/- 1 dB (200 KHz-50 MHz), 6 dB (100 KHz and 200 MHz)
Stopband rejection:	14 dB (@900 MHz), 18 dB (@2.4 GHz), 20 dB (@5.7 GHz)
Calibration accuracy:	+/-1 dB
Temperature:	0-50°C
Humidity:	RH 10-90%, non-condensing
Temperature error:	<0.05 dB/°C
Calibration:	UK NPL (UK National Physics Lab) traceable
Small size (LxD):	9.0x2.25 inch, 230x58 mm
Weight:	0.2 Lb., 100 g
Supporting equipment:	RFM-05M meter
Country of origin:	Designed and made in the USA

