

Power Detector RFPDV016-109-750

Features:

- Several Frequency Ranges
- Precise Amplitude Measurement
- Long Life Battery operation
- Economical
- Small & Rigid design
- Extended Mode with GUI

Description:

The RFPDV016-109-750 is a Broadband Power Detector which operates from 1MHz to 10 GHz with the capability to measure the RF signal in decibel-scaled output. The input dynamic range is 75 dB (referenced to 50 Ω) with less than ±3 dB error. They are used in various communication test setups for accurate measurements. RFPDV016-109-750 is a portable, cost effective as well as fulfils all quality standards. Unit stability over temperature is ±0.5 dB.

Applications:

- Scientific equipment manufacturer
- Power monitoring in radio link transmitters
- RSSI measurement in base stations, WLANs, WiMAX and radars.
- EMC Test laboratories
- Microwave system manufacturer
- Antenna manufacturer
- Bluetooth, Laura and ZigBee device manufacturer
- Testing of shielding effectiveness
- Engineering and technology colleges
- GSM and CDMA mobile towers

Standard Accessories:

- SMA(M) to SMA(M) 50 Ohms cable 10" (Figure 1)
- Charger (Figure 2)



Figure 1

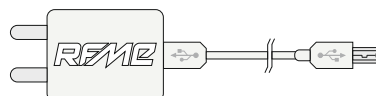
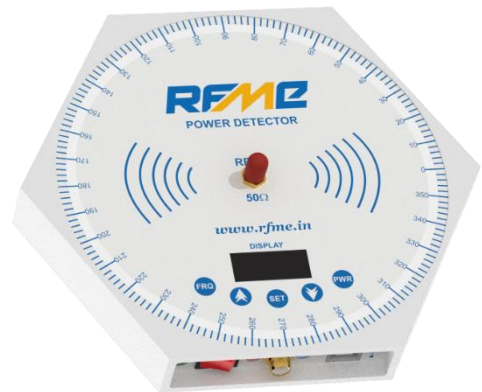


Figure 2



Electrical Specifications:

Frequency Range:	1 MHz to 10 GHz
Dynamic Range:	
1 – 8000 MHz	+25 to -50 dBm
8 - 10 GHz	+ 10 to -45 dBm
Amplitude Variation:	
Broadband Mode	± 3 dB
Precise Mode	± 1.5 dB
VSWR:	2:1, all Phases
Output Impedance:	50 Ohm
Peak Power Units:	dBm & dBuV
Pulse Response Time:	10ns
OLED Display :	27.0 X 11.5 mm (128 x 32)
Operating Temperature:	0 °C to 50 °C
Battery Operation :	8 Hour for single charge
Connector:	SMA Female
Power Consumption:	0.3 Watt (Max.)

Mechanical Specifications:

Dimension(mm) :	(A) = 165.5 (H) = 143.3 (S) = 82.74	
Shape:	Hexagonal shape	
Weight:	500gm	

NORMALIZE AMPLITUDE VARIATION FOR BROADBAND & PRECISE FREQUENCY BAND

