Power Detector
RFPDV016-109

Features:

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

Description:

The RFPDV016-109 is a Broadband Power Detector, which operates from 100 to 6000 MHz 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 is a portable, cost effective as well as fulfils all quality standards. Unit stability over temperature is ±0.5 dB.

Applications:

- Scientific equipment testing & manufacturing
- Power monitoring in radio link transmitters
- RSSI measurement in base stations, WLANs, WiMAX and radars.
- EMC Test laboratories
- Microwave system manufacturing
- Antenna development, testing & calibrate.
- Bluetooth, Laura and ZigBee device manufacturer
- Testing of shielding effectiveness
- Equipment calibration

Standard Accessories:

- SMA(M) to SMA(M) 50 Ohms cable 10” (Figure 1)
- 5V Adaptor & type A to type B USB Cable (Figure 2)

Figure 1

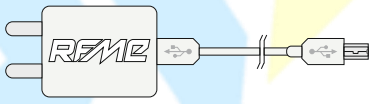

Figure 2

Electrical Specifications:	
Frequency Range:	100 to 6000 MHz
Dynamic Range:	
100 – 6000 MHz	+20 to -55 dBm
Amplitude Variation:	
Broadband Mode	± 3 dB
Precise Mode	± 1.5 dB (*Accuracy up to +15 to -20 dBm*)
VSWR:	2:1, all Phases
Input Impedance:	50 Ω
Measuring Units:	dBm, dBµV, Vrms & Vpk-pk
Pulse Response Time:	10 ms
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