



PMM 6630 USB RF Power Sensor



**Accurate in laboratory, fast in manufacturing
and solidly built for field applications**

Main features

- 9 kHz to 3 GHz frequency range
- 100 nW to 1 W (-40 to +30 dBm) input range
- Excellent power linearity (0.2 dBm typical)
- True RMS response across 70 dB dynamic range enables accurate CW and modulated power measurements
- Low current consumption to save laptop battery
- No need for a Reference Calibrator
- Lightweight, convenient and easy to use with desktop and laptop PC

PMM 6630 is the ideal solution for RF power measurements in a wide variety of applications, including EMC immunity test systems to calibrate CDN and Clamps as well as to measure the input power of antennas or GTEM cells. Together with a directional coupler both direct and reflected power can be measured easily and precisely. PMM 6630 is supplied with easy to use PC software to display the measurements in dBm, W, V_{rms}.

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Specifications

	PMM 6630
Frequency range	9 kHz to 3 GHz
Power measurement range	100 nW to 1 W -40 to +30 dBm
Max. input power	2 W peak envelope max. 300 ms
Power linearity	0,2 dB (-40 to +30 dBm @ 50 MHz; 25 °C ± 10°C)
Measurement accuracy ^{1,2,3}	< 0.35 dB
Measurement path	High: +30 to -9 dBm Low: -9 to -40 dBm 1 dB typ. switching point hysteresis
Max. SWR	1,10 10 ÷ 300 kHz, +30 ÷ -9 dBm 1,05 >300 kHz ÷ 100 MHz 1,10 >100 MHz ÷ 1 GHz 1,25 >1 GHz ÷ 3 GHz 1,20 10 kHz ÷ 3 GHz, -9 ÷ -40 dBm
Operating temperature	-10°C ÷ +50°C
Power supply	5 VDC - 100 mA from USB port
RF connector	N male, 50 Ω
PC communication interface	USB 1.0 – 1.1 – 2.0
PC software	WIN6630 utility (supplied)
PC Software settings	N° of Averages (1 to 1024) Offset Correction Factor
Measuring units	dBm,W,Vrms
Dimensions	30 x 30 x 95 mm (WxHxP)
Weight	0,12 kg

1. Max. SWR of source: 1,25

2. Calculated with worst calibration uncertainties to the calibration factor of 0,17 dB

3. At set frequency

Ordering Information

PMM 6630 USB RF Power Meter
 PMM 6630D Dual version intended as reflected power meter when used in conjunction with PMM 6630 and SW/03 - SW/06 immunity SW; it can be used as stand-alone.

PMM a brand of

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