



# Dual Channel RF Power Meter 50MHz – 8 GHz

...designed for perfect signals



**PwrM8G: 50MHz – 8 GHz, -50 to +10dBm**

The PwrM8G series represents various broadband power meter devices perfectly suited to measure RF carrier's power (e.g. satellite, cable, terrestrial). The PwrM8G is available either as a compact handheld unit or a modular type 1RU/19" rack mount chassis that can hold up to 4 power meter modules (mixed population, hot-swappable). The PwrM8G is a perfect solution for broadband monitoring applications, capable for simultaneous monitoring of 2 to 8 RF signals within a frequency range of 50MHz – 8000MHz.

The PwrM8G power meters provide a large dynamic range with high accuracy assuring excellent and precise RF power monitoring at any time.

Other beneficial features such as threshold monitoring/alarming, minimum and maximum RF power monitoring and recording along with a user-friendly chart on the WebGUI that also displays the different RF power values over a period of time (history recording) are also included. The PwrM8G has also a function, which allows the user to compensate any offsets, for example for a directional coupler and/or to calibrate the power meter at the desired frequency.

The PwrM8G has a front panel OLED display and keypads allowing easy local configuration and RF monitoring. A rear side Ethernet-Interface allows remote configuration and monitoring (WebGUI, SNMP).



## FEATURES & BENEFITS

- ▶ Broadband frequency range 50MHz – 8GHz
- ▶ Available as a compact handheld module, also for integration into a 4-Slot 1RU/19" chassis
- ▶ Supports mixed population of PwrM3G (3GHz), PwrM8G (8GHz) and/or PwrM40G (40GHz) within 1RU/19" chassis
- ▶ Hot-swappable and easy replaceable power meter modules in 1RU/19" chassis
- ▶ 1RU/19" chassis with integrated power supply and 4 port Ethernet switch
- ▶ Simultaneous monitoring of 2 to max. 8 signals

- ▶ Wide dynamic range
- ▶ Threshold monitoring and alarming
- ▶ Offset compensation for cables and directional couplers
- ▶ Minimum & Maximum RF power monitoring and recording
- ▶ Calibration feature at the desired frequency
- ▶ WebGUI chart displays different RF power values (history recording)
- ▶ Local monitoring & configuration via front panel OLED Display/keypads
- ▶ Remote monitoring & configuration via Ethernet-Interface (WebGUI, SNMP)

## TECHNICAL SPECIFICATIONS

<b>Dimensions:</b>	125 x 105mm handheld module
<b>Weight:</b>	420g (handheld module)
<b>Power Supply:</b>	12VDC, <6W
<b>Frequency Range:</b>	50 – 8000MHz
<b>Dynamic Range:</b>	60dB (-50dBm to +10dBm)
<b>RF Power Accuracy:</b>	±1,5dB typ., ±2,0dB max.
<b>Input Connectors:</b>	2 x 50Ohm SMA(f)
<b>Max. RF Input Power:</b>	+30dBm
<b>Local Configuration:</b>	OLED-Display/keypads
<b>Remote Configuration:</b>	RJ45 100Mbit Ethernet-Interface (WebGUI, SNMP)
<b>Operating Temperature:</b>	-20°C to 45°C
<b>Storage Temperature:</b>	-20°C to 70°C
<b>Humidity:</b>	90%, non-condensing
<b>RoHS:</b>	Compliant

## PwrM-4Slot Chassis

	19"/1RU Chassis	D150MM, 19"/1RU Chassis short version
<b>Dimensions:</b>	1RU/19" rack mount, 280mm deep for max. 4 x PwrM8G modules	1RU/19" rack mount, 150mm deep for max. 4 x PwrM8G modules
<b>Weight:</b>	~5kgs. (fully populated)	~4kgs. (fully populated)
<b>Power Supply:</b>	85 – 265V, 50/60Hz, swappable (rear side)	External 85 – 265V, 50/60Hz, Power Supply via rear-side connector at the modules
<b>Power Consumption:</b>	<24W	<24W
<b>Number of Slots:</b>	4 (supports mixed population of PwrM3G, PwrM8G and PwrM40G)	4 (supports mixed population of PwrM3G, PwrM8G and PwrM40G)
<b>N° of RF Inputs:</b>	max. 8	max. 8
<b>Dynamic Range:</b>	see power meter specifications	see power meter specifications
<b>RF Power Accuracy:</b>	see power meter specifications	see power meter specifications
<b>Remote Configuration:</b>	RJ45 100Mbit Ethernet-Interface (WebGUI, SNMP), network switch integrated	RJ45 100Mbit Ethernet-Interface (WebGUI, SNMP), via network connector at module
<b>Operating Temperature:</b>	-20°C to 45°C	-20°C to 45°C
<b>Storage Temperature:</b>	-20°C to 70°C	-20°C to 70°C
<b>Humidity:</b>	90%, non-condensing	90%, non-condensing
<b>RoHS:</b>	Compliant	Compliant

## ORDER INFORMATION

Type	Type-No.:	Short Description	Input Connectors
PwrM8G	9001031	8GHz Handheld Power Meter (excl.12VDC power supply)	2 x 50Ohm SMA(f)
PwrM-4Slot-Chassis	9001032	4 Slot Power Meter 1RU Chassis	n.A.
PwrMxG-PSA12V	9001067	Power Supply Adapter AC-90-230V, DC12V3A	n.A.
PwrM-4Slot-Chassis-D150MM	9001073	4 Slot Power Meter 1RU Chassis 150mm deep with PSU	n.A.
PwrM-ODB	9001327	Outdoor Box IP65, two slots, integrated power supply	n.A.