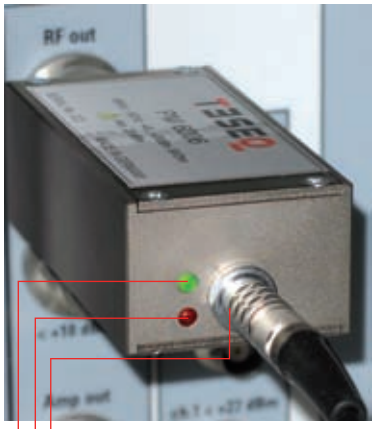
PM 6006
POWER METER 1 MHz to 6 GHz

PM 6006

- **Frequency range 1 MHz to 6 GHz**
- **Linear measurement range -45 to +20 dBm**
- **RMS power using log detector**
- **Low voltage detection**
- **Versions for direct connection to ITS 6006 or USB**
- **Metal casing, ruggedly designed**



- **Communication port with locking mechanism**
- **LED, activity**
- **LED, power on**

EMC immunity testing makes very specific demands on RF power meters. A large dynamic range, fast measurements, rugged design and a frequency range that matches the application are some of the unique requirements for power meters in an EMC test environment. The PM 6006 power meter has been specially designed with these features.

Two models are available:

The PMU 6006 is designed for connection to the USB interface. It includes software that allows multiple power meter readouts at the same time. This device is powered from the USB interface.

The PMR 6006 is designed for direct connection to the ITS 6006 Immunity Test System. Up to three power meters can be connected. The power can be read by either the ITS 6006 software utility or by optional Test House Software. Both programs allow mixing the PMU 6006 and PMR 6006 in systems of up to eight power meters.

Technical specifications

Frequency range:	1 MHz – 6 GHz
Linear measurement range:	-45 dBm to +20 dBm
Max. input/no damage:	+23 dBm
Input return loss:	>20 dB (below 4 GHz), >17 dB (4 GHz to 6 GHz)
Connector:	N male 50 Ω
Accuracy:	<0.5 dB, typ. <0.3 dB, ϑ: 15°C to 30°C <1 dB, typ. <0.5 dB, ϑ: 0°C to 45°C
Number of averages:	1 to 10000
Supply	
Current:	≤250 mA at 5 V
Voltage:	min. 4.7 V / max. 9 V

Mechanical specifications

Size (L x H x D):	105 mm x 27 mm x 40 mm
Weight:	approx. 166 g
Storage case size* (L x H x D):	270 mm x 225 mm x 83 mm
Storage case weight*:	approx. 700 g
*) PMU 6006 only	

TESEQ

Advanced Test Solutions for EMC

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PM 6006 Control Software

The model PMU 6006 is supplied with Windows-based control software. In addition to the different graphical modes, shown below, the software provides averaging, offset use, and the ability to switch units to dBm, dbµV or V. It can also handle simultaneous readouts of multiple power meters.

Delivery information

Part number	Description
254725	PMR 6006 Power meter PM 6006, 1 MHz to 6 GHz, version R for direct connection to ITS 6006, cable LE 243-2 included (length 2 m)
254746	PMR 6006-10 Power meter PM 6006, 1 MHz to 6 GHz, version R for direct connection to ITS 6006, cable LE 243-10 included (length 10 m)
254726	PMU 6006 Power meter PM 6006, 1 MHz to 6 GHz, version USB for direct connection to PC, cable LE 244 (length 2 m) and storage case included
97-254725	PM 6006-TC Traceable calibration (ISO17025), order only with the device
98-254725	PM 6006-DKD DKD calibration (ISO17025), order only with the device

PMU 6006 in storage case

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