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 6003 power meter has been specially designed with these features.

The PMU 6003 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. Drivers are available for optional Test House Software.

### Technical specifications

- **Frequency range**: 9 kHz – 3 GHz
- **Linear measurement range**: -45 dBm to +20 dBm
- **Max. input/no damage**: +23 dBm
- **Input return loss**: >20 dB
- **Connector**: N male 50 Ω
- **Accuracy**: <0.5 dB, typ. <0.3 dB; 9: 15°C to 30°C
  - <1 dB, typ. <0.5 dB; 9: 5°C to 45°C
- **Number of averages**: 1 to 10000
- **Supply**
  - **Current**: ≤100 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
PM 6003
POWER METER 9 kHz to 3 GHz

Control Software

The power meter 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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
</table>
| 254729         | PMU 6003
                 Power meter PM 6003, 9 kHz to 3 GHz, version USB for direct connection to PC, cable LE 244 (length 2 m) and storage case included |
| 97-254729      | PM 6003-TC
                 Traceable calibration (ISO17025), order only with the device            |
| 98-254729      | PM 6003-DKD
                 DKD calibration (ISO17025), order only with the device                   |