

USB POWER METER "PM-37"

ITEM NO. 1299043

INTENDED USE

The USB power meter is used to measure and display voltage and current at a USB port. For this purpose, the USB power meter is connected between the USB port (e.g. a USB power adapter or a computer) and the USB device.

Always observe the safety instructions and all other information included in these operating instructions.

This product complies with the applicable national and European requirements. All names of companies and products are the trademarks of the respective owners. All rights reserved.

PACKAGE CONTENTS

- USB power meter
- Operating instructions

EXPLANATION OF SYMBOLS



An exclamation mark in a triangle indicates important instructions in this operating manual which absolutely have to be observed.

→ The "arrow" symbol is used where special tips and notes on operation are provided.

SAFETY INSTRUCTIONS



The warranty/guarantee will be void in the event of damage caused by failure to observe these operating instructions! We do not assume any liability for any resulting damage!

We do not assume any liability for material and personal damage caused by improper use or non-compliance with the safety instructions! In such cases, the warranty will be null and void.

- The unauthorised conversion and/or modification of the product is not permitted for safety and approval reasons (CE). Never dismantle the product.
- The product is not a toy and should be kept out of the reach of children.
- Never overload the product. For more information about the admissible voltage/current range, see the chapter "Technical Data".
- The product must not be exposed to extreme temperatures, strong vibrations or heavy mechanical stress. The product must not get damp or wet.
- The manufacturer does not accept any liability for incorrect or inaccurate readings or any consequences resulting from such readings.
- Handle the product with care; it can be damaged by impacts, blows, or accidental falls, even from a low height.
- Do not leave packaging material carelessly lying around. It may become a dangerous plaything for children!
- If you are not sure about the correct operation or if questions arise which are not covered by the operating instructions, please do not hesitate to contact our technical support or another specialist.

OPERATION

- Connect the USB plug of the USB power meter, e.g. with the USB socket of a USB power adapter or a computer.
 - Connect the USB device to the USB socket of the USB power meter. The data cables are looped through so that you can use any USB device.
 - Voltage and current are displayed alternately.
- In this way you can, for example, control the output voltage of the USB power adapter or the USB port of a computer as well as the current required by the USB device (for example, the current to charge a smartphone or a tablet computer).

The voltage should be within the range from 5.2...4.8 V. If the display shows a lower voltage, the current required by the USB device is generally too high.

If this is the case, use e.g. a USB power adapter with a higher output current. Furthermore, preferably use a thicker and shorter USB cable, if possible, if the current values are high.

CLEANING AND MAINTENANCE

The product does not require any maintenance and should never be disassembled for any reason.

Clean the product carefully, e.g. with a soft, clean cloth.

Never use aggressive cleaning agents and no chemicals at all for cleaning; these can lead not only to discolouration, but can also damage the product.

DISPOSAL



Electronic devices are recyclable material and do not belong in the household waste.

Please dispose of the device, when it is no longer of use, according to current statutory requirements.

TECHNICAL DATA

Power supply	via USB
Measurement range	Voltage: 3 - 7 V/DC
	Current: 0 - 2 A
Resolution.....	Voltage: 10 mV
	Current: 10 mA
Accuracy.....	± (2% +0.1 digit)
Ambient conditions	Temperature 0 °C to +40 °C; humidity 0% to 75%, non-condensing
Dimensions.....	34 x 53 x 15 mm (D x W x H)
Weight	16.2 g

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