



## PCWork PCW06B Socket Tester User Manual

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# PCWork

### PCWork PCW06B Socket Tester



## Copyright Statement

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## Safety Instructions

The instrument is designed according to the requirements of the international electrical safety standard IEC61010-1, which defines the safety requirements for electronic testing instruments. The design and manufacturing of this instrument strictly comply with the requirements of the IEC61010-1 CAT.II 300V over voltage safety standard.

**In order to avoid possible electric shock, personal injury, or any other safety accident, please abide by the following instructions:**

- Read this manual carefully before using the device and strictly follow the instructions when using it. Otherwise safety for the user cannot be guaranteed.
- The operator of this device is obliged to ensure that every other person using this device has read and understood the manual. Only qualified users are permitted to operate the device.
- Please be careful if the measurement exceeds 30V AC. There is the danger of getting an electric shock with this kind of voltage. Since life-threatening voltage can be tested with the device, extra care is required and please adhere to all relevant safety requirements. Do not measure voltage, which exceeds the defined max. values on the device or in this manual.
- Always test the device's functionality on a known circuit first. If it is not working properly, stop using the device immediately.
- Never use the device if the device is damaged or the display does not work.
- Please comply with the local and national safety code. Wear personal protection equipment to prevent any injury. Do not use the instrument around explosive gas, steam, or in a wet environment.
- Opening, repairing, or maintenance should only be executed by qualified professionals.
- The RCD test can only be conducted if the wiring of the socket is correct. Do not conduct the RCD test with incorrect wiring.
- Please remove any other devices from the circuit, as they can interfere with the results.
- If the test results indicate incorrect wiring, please consult with a professional.
- Warranty and any liability in regards to material damage or personal injury are suspended in the following cases:
  - o Improper usage and operation of the device
  - o Not following the instructions and safety regulations provided by the manual
  - o Operation and usage without wearing proper personal protection equipment
  - o Usage and installation of non-approved spare parts
  - o Improper maintenance and changes related to the design or construction of the device; removal of the type plate

## Operation

### Socket Testing

**Attention:** Always test the device's functionality on a known live and correctly wired socket prior usage.

Insert the socket tester into a standard EU-socket and then compare the illuminated LEDs with the diagnosis table in the manual / printed onto the device. If the tester indicates that the socket is not correctly wired, please contact a professional electrician. **Note:** Do not test for longer than 5 minutes. Do not press the RCD-button during testing

as this would trigger the leakage protection switch causing unnecessary losses.

## Diagnosis Table

	Red	Red	Red
CORRECT	●	●	○
OPEN GROUND	●	○	○
OPEN NEUTRAL	○	●	○
OPEN LIVE	○	○	○
LIVE/GRD REVERSE	○	●	●
LIVE/NEU REVERSE	●	○	●
LIVE/ GRD REVERSE; missing GRD	●	●	●

## Voltage Measuring

Insert the socket tester into a standard EU-socket and read the socket's voltage from the tester's LCD screen. The measuring unit is V.

## RCD Test

Check the manual of the RCD switch prior using the tester. Insert the tester into a standard EU-socket and check if the wiring of the socket is correct. Only proceed, if the wiring of the socket is correct. Press the RCD-button of the tester for less than 3 seconds. The RCD-Test LED indicator on the tester should illuminate. If the RCD switch got triggered and all LED lights of the tester are off, the RCD switch functions properly. Please reset the RCD switch and remove the tester. If the RCD switch was not triggered, then the RCD switch does not function properly. Please consult with a professional electrician.

## Technical Specifications

Operating Voltage	48~250V / 45~65Hz
Measurement Range	48~250V/45~65Hz Accuracy: $\pm (2.0\%+2)$
Operating Temperature	0°C~40°C
Operating Humidity	20%~75%RH
Storage Temperature	-10°C~50°C
Storage Humidity	20%~80%RH
Altitude	$\leq 2000\text{m}$
RCD Test	>30mA
RCD Working Voltage	220V $\pm$ 20V
Safety	CE, CAT.II 300V

### Cleaning

Use a dry or slightly damp cloth for cleaning, never use chemicals or detergents. Caution: Make sure that the device is completely dry, before continuing to use it.

### Information regarding waste disposal:


You are not permitted to dispose of this device in household garbage. This multimeter corresponds to the EU-directive concerning the "Waste of Electrical and Electronic Equipment". Please dispose of the device in your local collection point.

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### Documents / Resources

 <p>PCWork User Manual PCW06B Socket Tester</p> <p>CE RoHS</p>	<p><b>PCWork PCW06B Socket Tester</b> [pdf] User Manual PCW06B Socket Tester, PCW06B, Socket Tester</p>
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References

-  [PCWork - Tools & Digital Multimeters for Enthusiasts](#)
-  [P+C Schwick GmbH Industrial & Retail - German Electronics Distributor](#)