



# User Manual

PCE-CBA 10 Battery Tester



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski, русский, 中文) can be found by using our product search on: [www.pce-instruments.com](http://www.pce-instruments.com)

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## 1 Safety notes

Please read this manual carefully and completely before you use the device for the first time. The device may only be used by qualified personnel and repaired by PCE Instruments personnel. Damage or injuries caused by non-observance of the manual are excluded from our liability and not covered by our warranty.

- The device must only be used as described in this instruction manual. If used otherwise, this can cause dangerous situations for the user and damage to the meter.
- The instrument may only be used if the environmental conditions (temperature, relative humidity, ...) are within the ranges stated in the technical specifications. Do not expose the device to extreme temperatures, direct sunlight, extreme humidity or moisture.
- Do not expose the device to shocks or strong vibrations.
- The case should only be opened by qualified PCE Instruments personnel.
- Never use the instrument when your hands are wet.
- You must not make any technical changes to the device.
- The appliance should only be cleaned with a damp cloth. Use only pH-neutral cleaner, no abrasives or solvents.
- The device must only be used with accessories from PCE Instruments or equivalent.
- Before each use, inspect the case for visible damage. If any damage is visible, do not use the device.
- Do not use the instrument in explosive atmospheres.
- The measurement range as stated in the specifications must not be exceeded under any circumstances.
- Non-observance of the safety notes can cause damage to the device and injuries to the user.

We do not assume liability for printing errors or any other mistakes in this manual.

We expressly point to our general guarantee terms which can be found in our general terms of business.

If you have any questions please contact PCE Instruments. The contact details can be found at the end of this manual.

## 2 Lieferumfang

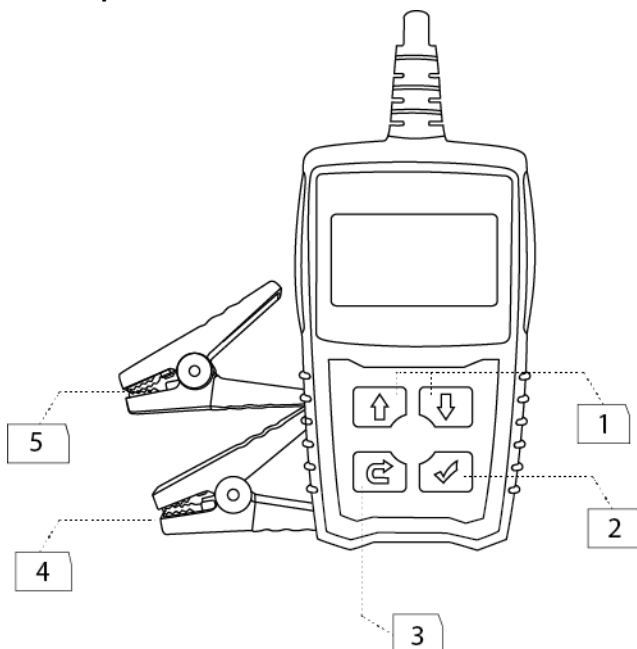
1 x battery tester PCE-CBA 10

1 x user manual

## 3 Specifications

Measurement object	12V starter batteries
Battery standards	DIN, JIS, IEC, EN, GB, SAE, MCA
Test time	3 ... 10 s
Cold start current CCA	100 ... 1700 A
Battery capacity	30 Ah ... 100 Ah
Display	2.4" LC display
Power supply	12V DC over test voltage
Connection	Kelvin terminals
Dimensions	124 x 73 x 22 mm / 4.8 x 2.8 x 0.8 in
Cable length	ca. 100 cm / 39 in
Weight	ca. 250 g / 8.8 oz

## 4 Device description



1. Selection keys (arrow keys)
2. OK key
3. Back key
4. Kelvin clamp black (negative pole)
5. Kelvin clamp red (positive pole)

## 5 Turning the meter on/off

The battery tester itself does not have any batteries. The voltage supply is provided by the car battery. The meter also does not have an on/off switch. It turns on as soon as it is connected to a car battery. To turn off the meter, simply disconnect it from the battery.

## 6 Operation

To make a battery test, follow these steps:

1. Connect the battery tester to your car battery and observe correct polarity. If the battery voltage is below 7 V, erroneous measurements and malfunction can occur.
2. As soon as the battery tester is turned on, you can select a function with the arrow keys.

Function	Description
Quick test	Carries out a quick test
Standard test	Makes a standard battery test with battery information
Cranking test	Tests the battery when the engine is started
Charging test	Tests the voltage when the battery is charged
Review	Shows the result of the last measurement
Settings	Here you can make settings of the battery tester

Regardless of the function, observe the instructions displayed.

After making settings or a test measurement, you can go back to the start screen by pressing the "Back" key.

## 7 Readings

The readings of the respective function will be the voltage values, the battery resistor and the battery status.

## 8 Settings

In the settings, you can select one of these languages: English, German, French, Italian, Spanish, Russian and Polish. Under "contrast", you can also set the display contrast.

To get some more device information like the firmware or the software version of the battery tester, select "Information".



## 9 Contact

If you have any questions, suggestions or technical problems, please do not hesitate to contact us. You will find the relevant contact information at the end of this user manual.

## 10 Disposal

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations.

If you have any questions, please contact PCE Instruments.



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