



User Manual

PCE-PB 75N / PCE-PB 200N Platform Scales



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

Last change: 30 August 2021
v1.0



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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 Specifications

PCE-PB 75N	
Weighing range	75 kg / 165 lb
Resolution	0.02 kg / 0.7 oz
Accuracy	±0.06 kg / 2.1 oz
Minimum load	0.06 kg / 2.1 oz
PCE-PB 200N	
Weighing range	200 kg / 440 lb
Resolution	0.1 kg / 3.5 oz
Accuracy	±0.3 kg / 10.5 oz
Minimum load	0.3 kg / 10.5 oz
Further specifications	
Units	kg, lb, oz/lb
Overrange indication	"0 Ld"
Low voltage indication	"LO"
Operating conditions	5 ... 35 °C / 41 ... 95 °F <85 % RH, non-condensing
Power supply battery	4 x 1.5 V AA battery
Power supply mains adaptor	primary: 100 ... 240 VAC, 50/60 Hz, 0.3 A secondary: 6 VDC, 1 A
Platform dimensions	350 x 390 x 40 mm / 13.7 x 15.3 x 1.5"
Display dimensions	180 x 88 x 33 mm / 7.0 x 3.4 x 1.3"
Weight	approx. 3 kg / 6.6 lb

3 Delivery scope

- 1 x platform scales PCE-PB 75N or PCE-PB 200N
- 4 x 1.5 V AA battery
- 1 x 6 V mains adaptor
- 1 x wall mounting bracket
- 1 x user manual

4 First use

Before the balance is used, it should acclimatise for one hour. Failure to do so may result in incorrect readings. To switch on the balance, insert four AA 1.5 V batteries on the back of the display and/or use the 6 V plug-in mains adaptor included in the delivery scope. If the supply voltage is too low, the display will show "LO". Further use is not possible. Therefore, check the batteries and/or the mains adaptor.

4.1 On / off

To switch on the balance, press and release the  key once. The display shows the following in sequence:

- All icons
- Version number
- Maximum measurement range
- Measurement mode

Once the balance is in measurement mode, you can use it.

To turn off the balance, press the  key again.

4.2 Automatic power off

To save battery power, the instrument has an auto power off feature. To set this function, press and hold the  key until the display shows "5" for a shutdown after five minutes of inactivity or "-" to disable the auto power off function. You can now use the  key to select one of these two options. Press the  key to confirm your selection. You will return to measurement mode. **IMPORTANT:** This function is always deactivated during mains operation.

5 Change unit

To change the unit, press and release the  key once. You can choose either kg, lb or oz/lb.

6 Set zero point

There are several ways to set the zero point. These are described in the following chapters. **Important:** Always note that the maximum measurement range must not be exceeded.

6.1 Automatic zeroing

After turning on the scales, the displayed reading is automatically zeroed. To disable this function, press and hold the  key until "AUto Zo" appears on the display when the balance is switched on. You can now use the  key to select "ON" or "OFF" to enable or disable this function. Press the  key button to confirm the selection. You will return to measurement mode.

6.2 Internal zero point

With the platform scales, for example, a zero point can be set for a container weighing without having to carry out an adjustment. This has the advantage that the container is subtracted during the measurement. To do this, first place the container on the weighing surface. Then press and hold the  key while the balance is switched on until you reach the menu for automatic zeroing.

First switch off this function. Now press the  key. "SET Zo" appears on the display. Now change this function from "OFF" to "ON" by pressing the  key. Confirm the entry with the  key. You will return to measurement mode.

Important: Each time this function is activated again, permanent zeroing is performed. Resetting to "OFF" will not remove the new zero.

6.3 Tare

To tare the displayed weight, press and release the  key once in measurement mode.

7 Piece counting

To perform a piece count of the weight, first place the following number of test pieces on the weighing platform. You can choose between 25, 50, 75 and 100 pieces. Then press and hold the



key until "PCS" flashes on the display. You can now use the



key to select between the numbers of test pieces on the weighing platform. Now press the



key to accept the selection. If "Pass" appears on the display, the execution was correct and the balance starts with the piece counting directly. If "Err" appears on the display, the operation was not correct. Repeat the procedure.

To exit the piece counting mode, press the



key. Press and release the



key to return to piece counting.

Important: No individual number is possible.

8 Calibration

To perform a calibration, press and hold the



key until the display shows the maximum measurement range of the balance. A selection of calibration weights is then displayed. You can

choose between 10, 20 and 50 kg. To do this, press the



key. Then press the



key. The calibration is now performed. Only now place the reference weight on the scales. If the calibration

was successful, the display will show "PASS". If the measured value is not stable or if you cancel the calibration prematurely, "ERR" is shown on the display. To cancel the calibration prematurely,

press and hold the



key.

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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