



VOLTCRAFT PS-600C Precision Scale Instruction Manual

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VOLTCRAFT PS-600C Precision Scale



Specifications

- Product: PS-600C Precision Scale
- Item No.: 2899466
- Power Supply: 2 x 1.5V AA Batteries or External DC 5V/0.5A
- Battery Life: Approximately 6 months
- Current Consumption: Less than 15mA
- Weighing Capacity: Not specified
- Weighing Units: Not specified
- Features: Strain gauges technology, stainless steel weighing platform, LCD screen with blue backlight, overload indicator, battery indicator, weighing, counting, tare, and calculation function

Product Usage Instructions

Power Supply Setup

To power the scale:

1. Remove the battery compartment cover located at the bottom of the product.
2. Insert 2 AA batteries (included in the package) correctly.

Scale Setup and Power On/Off

Before using the scale:

1. Allow the scale to acclimate to room temperature for at least 1 hour for accurate measurements.
2. To turn on/off the scale, use the ON/OFF button (Taste ON/OFF).

Weighing Objects

To weigh objects:

Place the object on the weighing platform and wait for the scale to stabilize the weight reading.

Using Tare Function

The TARE function allows you to reset the scale to zero with an empty container on the platform. Press the TARE button (Taste TARE) after placing the container.

Calibrating the Scale

To calibrate the scale:

1. Place a known weight on the scale.
2. Press the CAL button (Taste CAL) to initiate the calibration process.

Setting Auto Power-Off

You can set the auto power-off time using the instructions provided in the manual.

FAQ (Frequently Asked Questions)

- Q: How can I prolong the battery life of the scale?
A: Ensure to turn off the scale when not in use to conserve battery power.
- Q: Can I weigh objects heavier than the specified capacity?
A: It is recommended not to exceed the maximum weighing capacity of the scale for accurate results and to prevent damage.

Introduction

Dear customer,

Thank you for purchasing this product.

If there are any technical questions, please contact: www.conrad.com/contact

Intended use

- This product is a digital precision scale with adjustable feet. It is designed to weigh objects up to 600 g. It is not intended for medical or laboratory use.
- This product is intended for indoor use only. Do not use it outdoors. Contact with moisture must be avoided under all circumstances.
- Using the product for purposes other than those described above may damage the product. Improper use can cause a short circuit, fire or other hazards.
- This product complies with statutory, national and European regulations. For safety and approval purposes, you must not rebuild and/or modify the product.
- Read the instructions carefully and store them in a safe place. Always provide these operating instructions when giving the product to a third party.
- All company and product names contained herein are trademarks of their respective owners. All rights reserved.

Features

- Precision technology with strain gauges
- Removable stainless steel weighing platform
- LCD screen with blue backlight
- Overload indicator
- Battery indicator
- Weighing, counting, tare and calculation function

Package contents

- Product
- 2x AA batteries
- 4x Adjustable feet
- Cover
- Operating instructions

Up-to-date operating instructions



Download the latest operating instructions at www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

Explanation of symbols

The following symbols appear on the product/device or in the text:



The symbol warns of hazards that can lead to personal injury.

Safety Instructions

Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling, we will assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

General information

- This product is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. It may become a dangerous plaything for children.
- If you have questions that remain unanswered by these operating instructions, contact our technical support service or other technical personnel.
- Maintenance, modifications, and repairs must only be completed by a technician or an authorized repair center.

Handling

- Handle the product carefully. Impact, shocks or a fall even from a low height can damage the product.
- Do not store the scale in a vertical position.
- Do not put anything on top of the scale during storage.

Operating environment

- Do not expose the product to any mechanical stress.
- Protect the product from extreme temperatures, strong jolts, flammable gases, vapours, and solvents.
- Protect the product from high humidity and moisture.
- Protect the product from direct sunlight.

Operation

- Never overload the product. Exceeding its maximum weight capacity can damage the product.
- Consult an expert when in doubt about the operation, safety or connection of the device.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. DO NOT attempt to repair the product yourself. Safe operation can no longer be guaranteed if the product:
 - is visibly damaged,
 - is no longer working properly,
 - has been stored for extended periods in poor ambient conditions, or
 - has been exposed to considerable strain during transport.

(Rechargeable) batteries

- Pay attention to correct polarity when inserting the batteries.
- If you do not plan to use the product for an extended period, remove the batteries to prevent damage from leaking. Leaking or damaged batteries may cause acid burns if they come into contact with your skin. Always use suitable protective gloves when handling damaged batteries.
- Batteries must be kept out of reach of children. Do not leave batteries lying around, as there is risk that children or pets may swallow them.
- All batteries should be replaced at the same time. Mixing old and new batteries in the device can lead to battery leakage and device damage.
- Batteries must not be dismantled, short-circuited or thrown into open flames. Never attempt to recharge non-rechargeable batteries. This may cause an explosion!

Product overview



1. Weighing plate
2. Display
3. PCS button
4. MODE button
5. TARE button
6. DC socket
7. Spirit level
8. CAL button
9. ON/OFF button

Operation

Power supply With batteries

1. Remove the battery compartment cover on the base of the product.
2. Insert two AA batteries (included). Ensure the batteries are inserted with the correct polarity. The positive and negative terminals are marked on the batteries and on the inside of the battery compartment cover.
3. Replace the battery compartment cover.

Note:

Replace the batteries when "LO" appears on the display.

With an external DC power supply

1. Connect a suitable DC power supply (5 V/DC, 0.5 A) to the DC socket (6). Observe the plug polarity requirements as indicated in the technical data. Note:
 - If batteries are inserted, the product will only be operated via the external DC power supply until it is disconnected.

Setting up the scale and switching it on/off

1. Before use, allow the scale to reach room temperature for at least 1 hour to obtain the best-measuring results.
2. Screw in the 4 feet.
3. Place the scale on a solid, level and dry surface.
4. Use the spirit level (7) to check that the scale is aligned correctly. If necessary, adjust its position with the adjustable feet.
5. To switch on the scale, press the ON/OFF button (9).
The display (2) will switch on and show the value "0.00".
6. Press the MODE button (4) repeatedly to select the desired unit: – g → ct → dwt → gn → T → oz
Note: You can change the desired unit at any time.
7. Press the ON/OFF button (9) again to switch off the scale.

Weighing objects

1. Place the object you want to measure in the middle of the weighing plate (1). Wait until the display stabilizes. $\overline{\text{AE}}$
The weight of the object will be displayed.
2. Remove the object from the weighing plate (1).
Important:
 - If the weight exceeds the weighing range, "O_Ld" will appear on the display. In this case, remove the object from the weighing plate immediately.
 - You can use the supplied cover to prevent atmospheric influences from falsifying the measuring result.

Using the tare function

1. Place a suitable holder onto the weighing plate (1). Wait until the display stabilizes and shows the weight.
2. Press the TARE (5) button.
3. The display will show the value "0.00".
4. Place the object you want to weigh in the container. Wait until the display stabilizes.
The net weight of the object will be displayed.
5. Remove the container with the object from the weighing plate (1).

Using the counting function

The counter function allows you to count the quantity of several objects with the same weight (e.g. small screws).

1. Place 25, 50, 75 or 100 of the objects you want to weigh on the weighing plate (1). Wait until the display stabilizes.

2. Press and hold the PCS button (3) until “pcs” appears on the display.
3. Press the MODE button (4) repeatedly until the number of objects placed on the weighing plate is displayed (25, 50, 75 or 100).
4. Press the PCS (3) button.
 - The reference value will be stored until you set a new value.
5. Place the objects that you want to count onto the weighing plate.
 - The display will show the number of objects.
6. Remove the objects from the weighing plate (1).
7. Press the MODE button (4) to return to the normal weighing mode.

Calibrating the scale

The scale is pre-calibrated before delivery. If the measurements are inaccurate, try replacing the batteries first. If the accuracy does not improve, you can recalibrate the scale using a suitable calibration weight of 200 g or 500 g.

1. Press and hold the CAL button (8) until the calibration weight (200 g or 500 g) is displayed.
2. Press the TARE button (5) until the desired calibration weight (200 g or 500 g) is displayed.
3. Press the CAL button (8) again.
 - “CAL” will appear on the display and the selected calibration weight will flash.
4. Place the calibration weight on the weighing plate (1).
5. Wait until “PASS” appears on the display.
6. Remove the calibration weight from the weighing plate (1).
 - Calibration is now complete.

Setting the power-off timer

By default, the scale powers off after 5 minutes of inactivity. Alternatively, you can set a different power-off time:

1. Press and hold the TARE button (5) until the power-off time appears on the display.
2. Press the TARE button (5) several times until the desired power-off time is reached: – “1” (1 min) → “3” (3 min) → “5” (5 min) → “-” (disabled)
3. Press the MODE button (4) to confirm your changes.
 - The power-off time is now set.

Cleaning and care

Important:

- Do not use aggressive cleaning agents, rubbing alcohol or other chemical solutions. These may damage the housing and can cause the product to malfunction.
- Do not immerse the product in water.

1. Clean the product with a soft moist or dry cloth.
2. Store the product flat without anything on top to avoid damage to the sensors.

Disposal

Product



This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life. Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point. Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of. It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

(Rechargeable) batteries


Remove batteries/rechargeable batteries, if any, and dispose of them separately from the product. According to the Battery Directive, end users are legally obliged to return all spent batteries/rechargeable batteries; they must not be disposed of in the normal household waste.



Batteries/rechargeable batteries containing hazardous substances are labeled with this symbol to indicate that disposal in household waste is forbidden. The abbreviations for heavy metals in batteries are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on (rechargeable) batteries, e.g. below the trash icon on the left). Used (rechargeable) batteries can be returned to collection points in your municipality, our stores or wherever (rechargeable) batteries are sold. You thus fulfil your statutory obligations and contribute to environmental protection. Batteries/rechargeable batteries that are disposed of should be protected against short circuit and their exposed terminals should be covered completely with insulating tape before disposal. Even empty batteries/rechargeable batteries can contain residual energy that may cause them to swell, burst, catch fire or explode in the event of a short circuit.

Technical data

Power supply

- Battery type 2x 1.5 V AA batteries
- Battery life approx. 6 months
- External DC power supply 5 V/DC, 0.5 A 
- Current consumption < 15 mA

Weighing

- Capacity max. 600 g
- Resolution 0.01 g
- Units of measurement g, ct, dwt, gn, T, oz
- Measurement tolerance +/- 0.08 g
- Minimum weight 0.05 g

Ambient conditions


- Operating temperature 0 to +40 °C
- Operating humidity 20 – 80 % RH
- Storage temperature 0 to +40 °C
- Storage humidity 20 – 80 % RH

Miscellaneous

- Display size (W x H) 75 x 32 mm
- Dimensions (L x W x H) 210 x 160 x 50 mm
- Weight approx. 490 g (without batteries)

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Documents / Resources

 <p> <small> 01. Beschreibung PS 600C Präzisionswaage Doc-Nr. 200001 Seite 2 / 16 </small> </p> <p> <small> 02. Description PS 600C Précision scale Doc-Nr. 200001 Page 1 / 16 </small> </p> <p> <small> 03. Manual Balanza de precisión PS 600C Nº de documento: 200001 Page 01 / 16 </small> </p> <p> <small> 04. Beschreibung PS 600C Präzisionswaage Doc-Nr. 200001 Page 01 / 16 </small> </p> <p>CE</p>	<p>VOLT CRAFT PS-600C Precision Scale [pdf] Instruction Manual PS-600C Precision Scale, PS-600C, Precision Scale, Scale</p>
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