

[Manuals.plus](#) /

› [BROMECH](#) /

› BROMECH Gram Scale User Manual

BROMECH BWP01-6AA

BROMECH Gram Scale User Manual

Model: BWP01-6AA

Brand: BROMECH

INTRODUCTION

Thank you for choosing the BROMECH Gram Scale. This high-precision digital scale is designed for versatile weighing and counting tasks, suitable for various environments including kitchens, laboratories, and industrial settings. With its robust construction and advanced features, it provides accurate and reliable measurements for a wide range of materials.



Image: The BROMECH Gram Scale, featuring a stainless steel platform and a digital display with control buttons.

WHAT'S IN THE BOX

- BROMECH Washdown Scale
- Power Adapter for Charging
- Scale Pan (Stainless Steel)
- User Manual (This document)

KEY FEATURES

- **Versatile Unit Conversions:** Supports weighing in pounds (lb), ounces (oz), grams (g), and kilograms (kg). Ideal for various applications from culinary to laboratory use.
- **IP67 Waterproof Design:** Crafted from corrosion-resistant stainless steel with a super-sealed platform and two drain holes, making it easy to clean and suitable for wet environments.
- **Accurate Weighing & Counting:** 13lb capacity with 0.01lb increments (6kg capacity with 0.1g increments). Equipped with adjustable feet and a leveling bead for precise measurements. Features a counting function for items like screws, bolts, electronic components, pills, and capsules.
- **Long Battery Life:** Offers up to 100 hours of continuous use on a single charge. Can be powered by the included rechargeable battery or a DC converter (110V power supply).
- **Durable Material:** Constructed from robust ABS plastic and stainless steel, providing excellent chemical resistance and impact resilience for demanding environments.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Placement:** Place the scale on a stable, flat, and level surface. Use the adjustable feet at the bottom of the scale to ensure it is perfectly level, indicated by the leveling bead.
3. **Charging:** Before first use, fully charge the scale using the provided power adapter. Connect the adapter to the charging port located on the underside of the scale. The display will indicate charging status.



Image: Illustration showing the scale being charged via its power adapter. The image also highlights the built-in battery and AC power supply options.

4. **Initial Power On:** Press the **ON/OFF** button to turn on the scale. Allow a few seconds for the display to stabilize at "0.000".

OPERATING INSTRUCTIONS

Power On/Off

- To turn on the scale, press the **ON/OFF** button.
- To turn off the scale, press and hold the **ON/OFF** button until the display turns off.

Unit Conversion

The scale supports grams (g), kilograms (kg), pounds (lb), and ounces (oz).

- Press the **UNIT** button to cycle through the available measurement units. The selected unit will be displayed on the screen.

Enter Setup Mode



02

Power off → Press [ON/OFF] + quickly press [PCS] 3 times → Shows [HL-2L].
Press [UNIT] to switch:
HL-2L: Weight alarm
PCS: Quantity alarm

Image: Visual guide demonstrating how to switch between grams, kilograms, pounds, and ounces using the UNIT button.

Tare Function

The Tare function allows you to subtract the weight of a container, so you only measure the net weight of the contents.

1. Place an empty container on the scale platform. The display will show its weight.
2. Press the **TARE** button. The display will reset to "0.000".
3. Add the items you wish to weigh into the container. The display will now show only the net weight of the items.



Image: Step-by-step illustration of using the Tare function to weigh contents within a container.

Counting Function (PCS)

The counting function allows you to count multiple items of the same weight.

1. Long press the **PCS/OK** button to enter sampling setup. The default sample size is 10 pieces.
2. Press the **TARE** button to choose a sample size (e.g., 10, 20, 50, 100, 200, 500 pieces).
3. Place the chosen sample size (e.g., 20 pieces) on the scale platform.
4. Press the **PCS/OK** button to confirm. The scale is now calibrated for counting these items.
5. Remove the sample and place any quantity of the same items on the scale. The display will now show the count automatically.

Finalize Alarm



05

[- in -] appears, press [UNIT] to choose mode:

NO: Off

IN: Alarm if within range

OUT: Alarm if outside range

Press [TARE] to save

→ Returns to zero.

Image: Step-by-step guide on how to use the counting (PCS) function for batch counting.

Calibration

To ensure maximum accuracy, calibrate the scale periodically or if you notice inconsistencies. You will need a known weight for calibration (e.g., 2000g).

1. With the scale turned on and showing "0.000", press and hold the **UNIT** button for 3 seconds. Values will appear on the display.
2. Press the **TARE** button to select the desired calibration weight (e.g., 2000g).
3. The selected weight will blink. Place the exact calibration weight on the scale platform.
4. Wait for "PASS" to appear on the display, indicating successful calibration. The scale will then return to normal weighing mode.



Image: Detailed steps for calibrating the scale using a known weight.

Setting Alarms (Weight & Quantity)

Alarms can be set for both weight and quantity modes. For accuracy, always set alarms in grams.

1. **Enter Setup Mode:** Power off the scale. Press the **ON/OFF** button and quickly press the **PCS/OK** button 3 times. The display will show "HL-2L".
2. **Select Alarm Type:** Press the **UNIT** button to switch between "HL-2L" (Weight alarm) and "PCS" (Quantity alarm).

3. **Set Upper Limit:** Press **TARE**. The value will blink. Press **UNIT** to enter setting. Use **UNIT** to cycle numbers (0-9) and **TARE** to move the cursor right. Enter the desired upper limit (e.g., for 50g, enter 0050.0, including leading zeros).
4. **Set Lower Limit (Optional):** Press **TARE**. Repeat step 3 to set the lower limit, or press **TARE** again to keep the last setting.
5. **Finalize Alarm:** The display will show "[- in -]". Press **UNIT** to choose the alarm mode:
 - **NO:** Alarm Off
 - **IN:** Alarm if within the set range
 - **OUT:** Alarm if outside the set range

Press **TARE** to save. The scale will return to zero.



Image: Initial step for setting alarms, emphasizing setting in grams for accuracy.



Image: Guide to entering setup mode and selecting alarm type (weight or quantity).



-  IP67 Tested
-  Capacity 13lb
-  Counting
-  Division 0.01lb(0.1g)
-  4 Units
-  Weight or Quantity Alert



Image: Instructions for setting the upper limit of the alarm.

IP67 Waterproof - Rinse & Repeat

Sealed Against Spills, Steam, and Full Water Jets



Image: The BROMECH scale being rinsed under water, demonstrating its IP67 waterproof capability.

- **Storage:** Store the scale in a clean, dry environment away from extreme temperatures and direct sunlight.
- **Battery Care:** To prolong battery life, avoid completely draining the battery frequently. Recharge when the low battery indicator "LO" is shown.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	Low battery or no power.	Charge the scale using the provided adapter. Ensure the adapter is properly connected to a power source.

Problem	Possible Cause	Solution
Inaccurate readings.	Scale not level, unstable surface, or needs calibration.	Ensure the scale is on a stable, level surface using the adjustable feet and leveling bead. Perform calibration as described in the "Calibration" section.
Difficulty changing units.	Incorrect button sequence or timing.	Ensure the scale is turned OFF. Press and hold PCS/OK then ON/OFF simultaneously. Release both at the same time and immediately press ZERO twice. Then use TARE to navigate to "Unt" and ZERO to select the desired unit.
Display shows "LO".	Low battery.	Recharge the scale immediately.

SPECIFICATIONS

Feature	Detail
Model Number	BWP01-6AA
Capacity	13lb (6kg)
Increment	0.01lb (0.1g)
Units	Pound (lb), Ounce (oz), Gram (g), Kilogram (kg)
Waterproof Rating	IP67
Display Type	LCD
Power Source	Rechargeable Lithium Ion Battery (included) or DC Converter (110V)
Battery Life	Up to 100 hours continuous use
Material	ABS Plastic, Stainless Steel (SUS304 platform)
Package Dimensions	10.83 x 8.19 x 4.61 inches
Item Weight	3.75 Pounds

Accurate Weighing

Good helper of weighing seafood and wet products.

Max Weight: 13lb
Division: 0.01lb (0.1g)



Image: Detailed dimensions of the BROMECH Gram Scale.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official BROMECH website. Please retain your proof of purchase for warranty claims. For additional resources and product information, you may visit the [BROMECH Store on Amazon](#).

© 2025 BROMECH. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question