



# BROMECH BWP02 Washdown Scale User Manual

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**BROMECH BWP02 Washdown Scale**



## Product Information

### Specifications

- **Model:** BWP02 Price Computing Scales
- **Keyboard:** PCS OK, ON OFF, TARE, MENU, ZERO, SCROLL
- **Display:** Digital display
- **Unit Conversion:** Gram, pound, kilogram, lb : oz, ounce
- **LED Light Adjustment:** Available

## Product Usage Instructions

### OPERATION

#### 1. Power ON/OFF

1. To power on the scale, press the **ON OFF** button. The scale will perform a brief self-check, taking about 5 seconds. After you hear a beep and see '0.000' on the display, the scale is stable and ready for weighing.
2. To power off the scale, press the **ON OFF** button again, and the device will turn off immediately.
3. Additionally, if the scale remains idle and unused for 5 minutes, it will automatically power off to conserve energy.

#### 2. Zero

Environmental conditions can cause a measurement to be displayed, even when the scale pan is empty. This is perfectly normal and not a cause for concern. To set the current measurement as zero, simply press the **ZERO SCROLL** key. A Z indicator will illuminate on the display to signify that the scale has been zeroed out successfully.

### Tare

The weight of any container can be tared (subtracted from the total measurement) using the **TARE MENU** key.

1. Place the container on the scale pan.
2. Press the **TARE MENU** key. The T indicator will light up on the display and adjust the current weight reading to zero.
3. If you remove the container from the scale pan, the tare weight will show as a negative value.
4. To clear the tare weight, remove the container from the scale pan and press the **TARE MENU** key. The display will show the weight as zero, meaning that the tare weight has been cleared.

### Unit Conversion

To initiate unit conversion:

1. Press and hold the **PCS OK** key with your left hand.
2. While holding the **PCS OK** key, press the **ON OFF** button with your right hand, then release both keys simultaneously.
3. Quickly press the **ZERO SCROLL** button twice before the scale completes initialization. This will lead you to the parameter setting mode, indicated by 'CAP 15' on the display.
4. Press the **TARE MENU** key to browse the parameters until 'Unt 2' appears, along with the 'lb' indicator light signals.
5. Tap the **ZERO SCROLL** key to select your desired unit.
6. Press the **PCS OK** key to confirm your choice.

### LED Light Adjustment

To adjust the LED light settings, follow the initial steps to enter the parameter setting mode as outlined in section 5.4.

### FAQ

- **Q: How do I power on/off the scale?**

A: To power on the scale, press the **ON OFF** button. To power off the scale, press the **ON OFF** button again. The scale will also automatically power off if left idle and unused for 5 minutes.

- **Q: How do I zero the scale?**

A: Press the **ZERO SCROLL** key to set the current measurement as zero.

- **Q: How do I tare the weight of a container?**

A: Place the container on the scale pan and press the **TARE MENU** key. The T indicator will light up on the display, adjusting the current weight reading to zero. To clear the tare weight, remove the container from the scale pan and press the **TARE MENU** key.

- **Q: How do I convert units?**

A: Follow the steps outlined in section 5.4 to initiate unit conversion and select your desired unit using the **ZERO SCROLL** key. Confirm your choice by pressing the **PCS OK** key.

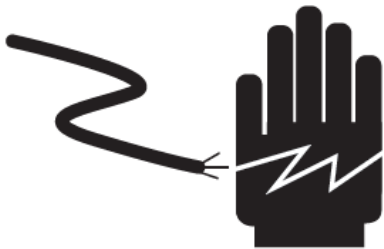
- **Q: Can I adjust the LED light settings?**

A: Yes, you can adjust the LED light settings by following the steps outlined in section 5.4.

### BWP02

Washdown Scales

PRECAUTIONS

	<b>WARNING</b>
	DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTALLING, CLEANING, OR SERVICING. FAILURE TO DO SO COULD RESULT IN BODILY HARM OR DAMAGE TO THE UNIT.

CAUTION

- This device should only be serviced by qualified personnel.
  - Unplug the machine before connecting or disconnecting any components.
  - Failure to observe these precautions may result in bodily harm, damage to the device, and /or destruction of the device.
- 
1. This pricing scale is a precision electronic instrument which must be handled with care. Do not store the scale in direct sunlight.
  2. Verify electrical outlet type, voltage, and grounding before installing the device.
  3. Only charge this device using the original adapter, as other adapters may cause damage to the scale.
  4. Install the scale on a flat, stable surface near an easily accessible electrical outlet.
  5. To avoid damage caused by sudden power fluctuations, the scale should not be used near machines with high energy demands ( such as large motors or welding equipment ).
  6. Protect this device from sudden temperature changes, wind, or seismic activity.
  7. Heavy radio frequency interference ( RF noise ) may cause this machine to malfunction.
  8. To ensure accurate readings, keep the scale clean and free of debris.

SPECIFICATIONS

- **Weight Capacity**
  - Maximum Capacity: 33lb (15kg)
  - Minimum Reading: 0.2lb (100g)
  - Increment: 0.001lb (0.5g)
- **Unit Conversion**

Switch between 5 unit options: ounce, pounds, grams, kilograms and lb:oz
- **Dust and Waterproof Rating**
  - IP68
  - Water resistant to a maximum depth of 1.5 meters for up to 30 minutes
  - Protected from dust
- **Display**

3.62×1.3 inch (9.2×3.3 cm) LED display for clear visibility
- **Battery Runtime**

Up to 240 hours of continuous usage on a single charge

- **Power Supply**

- DC 5V/1A
- Equipped with a built-in Li-ion rechargeable battery

- **Operating Conditions**

**Temperature Range:** 23°F-95°F ( -5°C-35°C) **Humidity:** Up to 85% R.H

- **Scale Pan Material and Size**

- **Material:** 304 Stainless steel
- **Dimensions:** 6.26×7.8 inches (16×20 cm)

- **Tolerance Grade**

## **INSTALLATION**

### **Unpacking**

- Handle the device with care when removing it from its packaging to avoid any potential damage.
- Remove the scale from its shipping box, saving packaging materials in case the scale needs to be transported later.
- Inspect the scale and terminal for damage.
- Verify that all components have been included in the package.

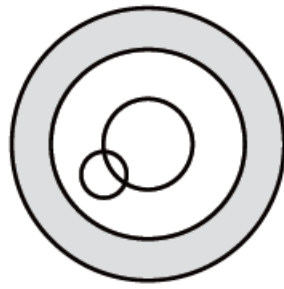
### **Your shipment should contain the following items**

- BWP02 Washdown Scale
- Adapter for Charging
- Scale Pan
- User Manual

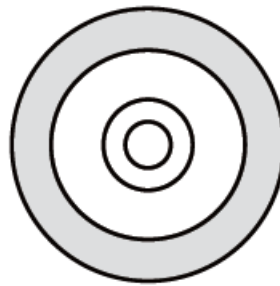
### **Leveling**

- Place the scale on a level surface.
- Remove the scale pan and inspect the bubble level indicator located at the center of the scale housing.
- Make adjustments as necessary until the bubble is centered within the scale level indicator.

## Bubble Level Indicator



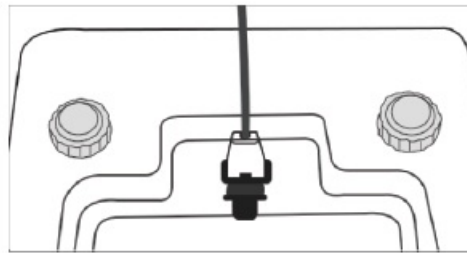
Not Level



Level

### Power Connection

- Locate the black silicone plug at the bottom of the scale. Carefully remove it to reveal the charging jack.
- Connect the charging adapter to the jack, and then plug the adapter's other end into a properly grounded AC power socket.



### Rechargeable Battery

- On the left side of the display, the battery status indicator features 3 distinct symbols representing the levels of battery life:



full battery




half-full battery



low battery

- After the low battery alert is activated, the scale can continue to operate for approximately 6 hours before it shuts off.
- When charging the battery, make sure the original adapter is securely connected to the device's adapter jack.



- The  indicator light will turn red to signal that charging is in progress.
- The battery takes 10 hours to fully recharge, and will continue to charge even if the device is powered off.
- If the dcFuL appears on the display, the battery has a full charge.
- To prevent overcharging and extend the lifespan of the battery, please unplug the charger when you see the dcFuL message.
- Only use the original adapter to charge your device, as other adapters may cause damage.
- Do not use any AC electrical socket that has not been properly grounded with earth contact.

### Battery Life Maintenance





Please recharge the battery when you see the low battery indicator for the best long-term performance. Avoid waiting until the battery is completely discharged.

## Display & Key Functions

### Indications

LO	Battery is low. Please charge the scale
dcFuL	<ul style="list-style-type: none"><li>• Charging is complete</li><li>• Please unplug the charger to prevent overcharging</li></ul>
FuLL	<ul style="list-style-type: none"><li>• Overload. Please remove the heavy objects</li><li>• Max capacity labeled on the scale house for reference</li></ul>


### Keyboard

Key	Function
	<ul style="list-style-type: none"> <li>• Key used to enter the counting mode (counting the quantity of items)</li> <li>• In the parameter setting mode, press the key to select and confirm the desired option.</li> </ul>
	Key used to power the device on or off
	<ul style="list-style-type: none"> <li>• Press this key to subtract the weight of the tare (container)</li> <li>• In the parameter setting mode, press the key to cycle through the different parameters.</li> </ul>
	<ul style="list-style-type: none"> <li>• Returns the display to zero</li> <li>• In counting mode, press this key to input the sampling value of 10, 20, 50, 100, etc.</li> <li>• In the parameter setting mode, press the key to cycle through the the available options for the current parameter.</li> </ul>


## OPERATION

### Power ON/OFF



- To power on the scale, press the  button. The scale will perform a brief self-check, taking about 5 seconds. After you hear a beep and see '0.000' on the display, the scale is stable and ready for weighing.



- To power off the scale, press the  button again, and the device will turn off immediately
- Additionally, if the scale remains idle and unused for 5 minutes, it will automatically power off to conserve energy.

### Zero

Environmental conditions can cause a measurement to be displayed, even when the scale pan is empty. This is



perfectly normal and not a cause for concern. To set the current measurement as zero, simply press the



key. A



indicator will illuminate on the display to signify that the scale has been zeroed out successfully.

## Tare



- The weight of any container can be tared (subtracted from the total measurement) using the
- Place the container on the scale pan.



- Press the key. The **T** indicator will light up on the display and adjust the current weight reading to zero.
- If you remove the container from the scale pan, the tare weight will show as a negative value.



- To clear the tare weight, remove the container from the scale pan and press the key.
- The display will show the weight as zero, meaning that the tare weight has been cleared.

## Unit Conversion



- To initiate unit conversion, begin by pressing and holding the key with your left hand. While holding



the

key, press the button




with your right hand, then release both keys simultaneously.




Quickly press the button twice before the scale completes initialization. This will lead you to the parameter setting mode, indicated by 'CAP 15' on the display.










- Press the  key to browse the parameters until 'Unt 2' appears, along with the 'lb' indicator light signals.



- Tap the  key to select your desired unit.



- Press the  key to confirm your choice.

Unit Parameter Display	Corresponding Unit
	gram
	pound
	kilogram
	lb : oz
	ounce

## LED Light Adjustment

- To adjust the LED light settings, follow the initial steps to enter the parameter setting mode as outlined in section 5.4:




- Press and hold the  key with your left hand. While holding the  key, press the button






 with your right hand, then release both keys simultaneously.







- Quickly press  the button twice before the scale completes initialization. This will lead you to the parameter setting mode, indicated by 'CAP 15' on the display.



### Once in parameter setting mode

- Press the  key to cycle through the parameters until 'dL 2' is displayed.
- Tap the  key to toggle through the available brightness levels for the LED light.
- Once you have selected your desired brightness level, press the  key to confirm and save your choice.

### Counting

- Power on the scale and allow it to initialize in weighing mode. Once stabilized, press the  key to activate counting mode, indicated by the  indicator. To choose a sample size, press the key  button to cycle through the available options—10, 20, 50, 100, 200, or 500.
- Pause at the number desired and place that exact number of items on the scale.
- The number will continue to blink until the scale emits a double beep after 5 seconds, confirming the sample size has been recorded. Following this setup, as you add more of the same type of item onto the scale, it will automatically calculate and display the cumulative piece count.
- For counting different items, remove any existing items from the scale pan and press the  button to cycle through the sample size options once again. Choose the appropriate number for your new batch of items and follow the established procedure: place the exact number of samples on the scale, wait for the blinking to cease and the confirmation beep. This method can be repeated to efficiently count multiple types of items with

the scale.



- To exit counting mode, simply press the key.

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## Documents / Resources

	<a href="#">BROMECH BWP02 Washdown Scale</a> [pdf] User Manual BWP02 Washdown Scale, BWP02, Washdown Scale, Scale
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## References

- [User Manual](#)