BROMECH BWP03 High Precision Scale User Manual

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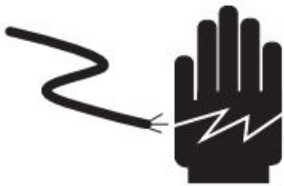
BROMECH BWP03 High Precision Scale

PRECAUTIONS

	&WARNING
	DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTAL LING, CL EANI NG, OR SERVICE NG. 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.
- This pricing scale is a precision electronic instrument that must be handled with care.
- Do not store the scale in direct sunlight.
- Verify electrical outlet type, voltage, and grounding before installing the device.
- Only charge this device using the original adapter, as other adapters may cause damage to the scale.
- Install the scale on a flat, stable surface near an easily accessible electrical outlet.
- 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).
- Protect this device from sudden temperature changes, wind, or seismic activity.
- Heavy radio frequency interference (RF noise) may cause this machine to malfunction.
- To ensure accurate readings, keep the scale clean and free of debris.

SPECIFICATIONS

Weight Capacity

- Maximum Capacity: 6.6lb (3kg)
- Minimum Reading: 0.04lb (20g)
- Increment: 0.001 lb (0.1 g)

Unit Conversion

- Switch between lb, kg and g

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.l 5xl .05 inch (8×2.5 cm) LED display for clear visibility

Battery Runtime

- Up to 120 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: 7.87×6.3 inches (20xl 6 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

- BWP03 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.
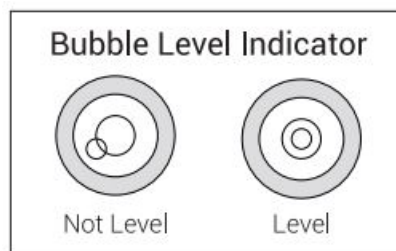
Power Connection

- 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

- An ⬛ alert and an icon will appear on the display in the bottom left corner to signify that the battery is low.
- When charging the battery, make sure the original adapter is securely connected to the adaptor lack
- The AC icon, displayed in the bottom left corner of the display, signifies charging status and is visible only when the scale is turned on. No charging indicator will be shown when the scale is off.
- The battery takes 8 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.
- After the low battery alert is activated, the scale can continue to operate for approximately 6 hours before it shuts off.

- 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
dc FuL	• Charging is complete te • Please unplug the charger to prevent overcharging
Ful l	• Overload Please remove the heavy objects • Max capacity labelled on the scale house for reference

Keyboard

Key	Function
PCS / OK ↵	• Key used to enter the counting mode (counting the quantity of items) • Press and hold this key to enter the parameter setting
ON / OFF	• Key used to power the device on or off
TARE / MENU	• Press this key to subtract the weight of the tare (container) • In the parameter setting mode, press the key to cycle through the different parameters.
ZERO / SCROLL	• Returns the display zero • In counting mode, press this to input the sampling value of l 0, 20, 50, l 00, etc. • In the parameter setting mode, press the key to cycle through the available options for the current parameter.

OPERATION

Power ON/OFF

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. To power off the

scale, press the ,' button ON/OFF 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 ZERO/SCROLL key. A **Z** indicator will illuminate 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.

- Place the container on the scale pan.
- Press the [TARE MENU] 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 [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, begin by pressing and holding the [PCS OK] key with your left hand. While holding the [PCS OK] key, press the [ON OFF] : 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 'L – 100' on the display.

Press the [TARE MENU] key to browse the parameters until 'Unt 2' appears, along with the 'lb' icon active in the upper left corner of the screen. Then tap the [ZERO SCROLL] key to select your desired unit and press the [PCS OK] key to confirm your choice.

Unit Parameter Display	Corresponding Unit
unt.1	gram
unt.2	pound
unt.3	kilogram

Counting

Power on the scale and allow it to initialize in weighing mode. Once stabilized, press the [PCS OK] key to activate counting mode, indicated by the illuminated C on the display. To choose a sample size, press the [ZERO SCROLL] key button to cycle through the available options-10, 20, 50, 1 00, 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.

Documents / Resources

	BROMECH BWP03 High Precision Scale [pdf] User Manual BWP03, BWP03 High Precision Scale, High Precision Scale, Precision Scale, Scale

References

- **User Manual**