

## Brecknell PB500

# Brecknell PB500 Digital Pocket Scale User Manual

Model: PB500

## 1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Brecknell PB500 Digital Pocket Scale. The PB500 is a versatile, low-cost digital scale designed for precise measurements in various units. Its compact and lightweight design makes it highly portable, suitable for a range of applications requiring accurate weight determination.

### Key Features:

- Multi-functional digital display.
- Measures in grams (g), ounces (oz), pennyweight (dwt), and troy ounces (ozt).
- Counting function for repetitive item counting.
- Tare function to zero out container weight.
- Automatic shut-off feature to conserve battery life.
- Durable ABS plastic case with a built-in protective cover that doubles as a draft shield.



Image 1: The Brecknell PB500 Digital Pocket Scale with its protective cover closed, demonstrating its compact form factor and a sample item (rings) on the weighing area.

## 2. SETUP

Follow these steps to prepare your PB500 scale for use:

1. **Unpacking:** Carefully remove the scale from its packaging. Inspect for any visible damage.
2. **Battery Installation:** The PB500 scale typically uses standard AAA batteries (not specified, but common for pocket scales). Locate the battery compartment on the underside of the scale. Open the compartment, insert the batteries according to the polarity indicators (+/-), and close the cover securely.
3. **Placement:** Place the scale on a flat, stable, and level surface. Uneven surfaces can affect weighing accuracy. Avoid areas with vibrations, drafts, or extreme temperature changes.
4. **Open Protective Cover:** Gently open the hinged protective cover. This cover can also be used as a draft shield during weighing to minimize environmental interference.



Image 2: The Brecknell PB500 Digital Pocket Scale with its protective cover open, showing the weighing platform and the digital display with control buttons.

### 3. OPERATING INSTRUCTIONS

Familiarize yourself with the scale's functions for accurate measurements.

#### 3.1. Basic Weighing

1. **Power On:** Press the **ON/OFF** button to turn on the scale. The display will show '88888' and then '0.0g' (or the last used unit).
2. **Place Item:** Gently place the item to be weighed onto the center of the weighing platform.
3. **Read Weight:** The stable weight will be displayed on the LCD screen.
4. **Power Off:** Press the **ON/OFF** button again to turn off the scale. The scale will automatically shut off after a period of inactivity to save battery life.

### 3.2. Changing Weighing Units

The PB500 supports multiple weighing units:

- Grams (g)
- Ounces (oz)
- Pennyweight (dwt)
- Troy Ounces (ozt)

To change the unit, press the **MODE** button repeatedly until the desired unit is displayed.

### 3.3. Tare Function

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

1. Place an empty container on the weighing platform.
2. Wait for the display to stabilize.
3. Press the **TARE** button. The display will reset to '0.0g' (or current unit).
4. Add the items to be weighed into the container. The display will show only the weight of the items.
5. To clear the tare, remove all items from the platform and press **TARE** again, or simply turn the scale off and on.

### 3.4. Counting Function (PCS)

This feature is useful for counting multiple small items of uniform weight.

1. With the scale on and displaying '0.0g', press and hold the **COUNT** button until a sample size (e.g., '25') appears on the display.
2. Press the **MODE** button to cycle through available sample sizes (e.g., 25, 50, 75, 100). Select the sample size that matches the number of items you will place on the scale for calibration.
3. Place the exact number of sample items (e.g., 25 pieces) onto the weighing platform.
4. Press the **COUNT** button again to confirm the sample. The display will now show the count of the items.
5. You can now add more items, and the scale will display the total count.
6. To exit counting mode, press the **MODE** button.



Image 3: The Brecknell PB500 Digital Pocket Scale in use, showing small items like rings and earrings, highlighting its precision for delicate measurements.

## 4. MAINTENANCE

Proper care ensures the longevity and accuracy of your scale.

- **Cleaning:** Wipe the scale with a slightly damp cloth. Do not use abrasive cleaners, solvents, or immerse the scale in water. Ensure no liquids enter the scale's interior.
- **Storage:** When not in use, close the protective cover to shield the weighing platform and display from dust and damage. Store the scale in a cool, dry place, away from extreme temperatures and humidity.
- **Battery Replacement:** If the display shows a low battery indicator or the scale fails to turn on, replace the batteries promptly. Always use new batteries of the specified type. Remove batteries if the scale will not be used for an extended period to prevent leakage.
- **Avoid Overload:** Do not place items exceeding the maximum capacity (500g) on the scale, as this can damage the internal sensor.

## 5. TROUBLESHOOTING

If you encounter issues with your PB500 scale, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scale does not turn on.	Dead or incorrectly installed batteries.	Replace batteries with new ones, ensuring correct polarity.
Inaccurate or inconsistent readings.	Unstable surface, drafts, overload, or dirty platform.	Place scale on a stable, level surface. Avoid drafts. Ensure item weight is within capacity. Clean the weighing platform.
Display shows 'EEEE' or 'O-Ld'.	Overload.	Remove the item immediately. The weight exceeds the scale's maximum capacity.
Display shows 'UNST'.	Unstable reading.	Ensure the scale is on a stable surface and there are no vibrations or drafts.

## 6. SPECIFICATIONS

Brand	Brecknell
Model	PB500
Manufacturer Part Number	SBWPB500
Display Type	Digital LCD
Weight Capacity	500 grams (g)
Readability / Graduation	0.1 grams (g)
Weighing Units	g, oz, dwt, ozt
Form Factor	Handheld
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	5.6 ounces (approx. 0.16 kg)
Product Dimensions	8.6 x 5.6 x 1.25 inches (L x W x H)
UPC	641438632861

## 7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official





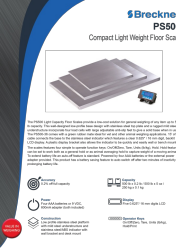


Brecknell website. Warranty terms and conditions may vary by region and retailer.

If you require technical assistance, have questions about your scale, or need to report a defect, please contact the retailer from whom you purchased the product or refer to the manufacturer's customer support channels. Contact details are typically available on the manufacturer's website or product packaging.

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## Related Documents - PB500

 <p>Instruction Manual BFS-150</p> <p>MULTIFUNCTION SCALE BODY FAT WATER WEIGHT MUSCLE BONE DENSITY</p>	<p><a href="#">Brecknell BFS-150 Multifunction Scale: Instruction Manual and User Guide</a></p> <p>Comprehensive instruction manual for the Brecknell BFS-150 Multifunction Scale. Learn about its features, technical specifications, operation, maintenance, and how to interpret body fat, water, BMI, muscle, and bone measurements.</p>
 <p>67XXU USB/Serial Scale Series</p> <p>Service Manual</p>	<p><a href="#">Brecknell 67XXU USB/Serial Scale Series Service Manual</a></p> <p>Comprehensive service manual for the Brecknell 67XXU USB/Serial Scale Series, detailing installation, specifications, configuration, calibration, serial communication, and troubleshooting. Includes information on models 6702U, 6710U, and 6720U.</p>
 <p>SBI-240 Weighing Indicator</p> <p>Service Manual</p>	<p><a href="#">Brecknell SBI-240 Weighing Indicator Service Manual</a></p> <p>Comprehensive service manual for the Brecknell SBI-240 Weighing Indicator, covering installation, operation, setup, calibration, serial communication, testing, and troubleshooting.</p>
 <p>Brecknell MS140-300</p> <p>Balance portative avec main courante</p>	<p><a href="#">Brecknell MS140-300 Balance Portative avec Main Courante : Caractéristiques et Spécifications</a></p> <p>Découvrez la balance portative Brecknell MS140-300 avec main courante, idéale pour les soins de santé. Offre une grande plateforme, un indicateur ACL, une fonction de maintien et une garantie de 3 ans.</p>
 <p>Brecknell PS500</p> <p>Compact Light Weight Floor Scale</p>	<p><a href="#">Brecknell PS500 Compact Light Weight Floor Scale - Accurate Weighing Solution</a></p> <p>Explore the Brecknell PS500 Compact Light Weight Floor Scale, a cost-effective and accurate weighing solution up to 500 lb. Featuring a durable stainless steel platform, clear backlit LCD, and versatile hold functions, it's ideal for general, industrial, and animal weighing. Includes detailed specifications and product overview.</p>



[Brecknell MS20 Series Medical/Veterinary Scale - Accurate Weighing for Healthcare](#)

Explore the Brecknell MS20 Series Medical/Veterinary Scale, engineered for precise infant and small animal weighing. Features include an easy-to-read LCD, hold function, and durable construction. Ideal for medical and veterinary settings.