

Brecknell LPS150

Brecknell LPS150 Portable Shipping Scale User Manual

Model: LPS150 | Brand: Brecknell

1. INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your Brecknell LPS150 Portable Shipping Scale. Please read this manual thoroughly before using the scale to ensure safe and efficient operation. The LPS150 is designed for shipping, warehouse, and general-purpose weighing applications, offering portability and ease of use.

2. SAFETY INFORMATION

- Do not overload the scale beyond its maximum capacity of 150 lbs (68 kg).
- Avoid dropping the scale or subjecting it to severe shocks.
- Do not immerse the scale or its components in water or other liquids.
- Use only the provided AC adapter or specified batteries.
- Keep the scale away from strong electromagnetic fields.
- Ensure the scale is placed on a stable, level surface during operation.

3. WHAT'S IN THE BOX

Carefully unpack all components and verify that you have received the following items:

- Weighing Platform with Indicator and Bracket
- AC Power Adapter
- 4 x AAA Batteries
- RS-232 Cable
- User Manual (this document)



Image 3.1: All components included with the Brecknell LPS150 Portable Shipping Scale.

4. PRODUCT OVERVIEW

4.1 Components

The Brecknell LPS150 scale consists of a stainless steel weighing platform and a remote LCD indicator connected by a coiled cable. The indicator features a digital display and control buttons.

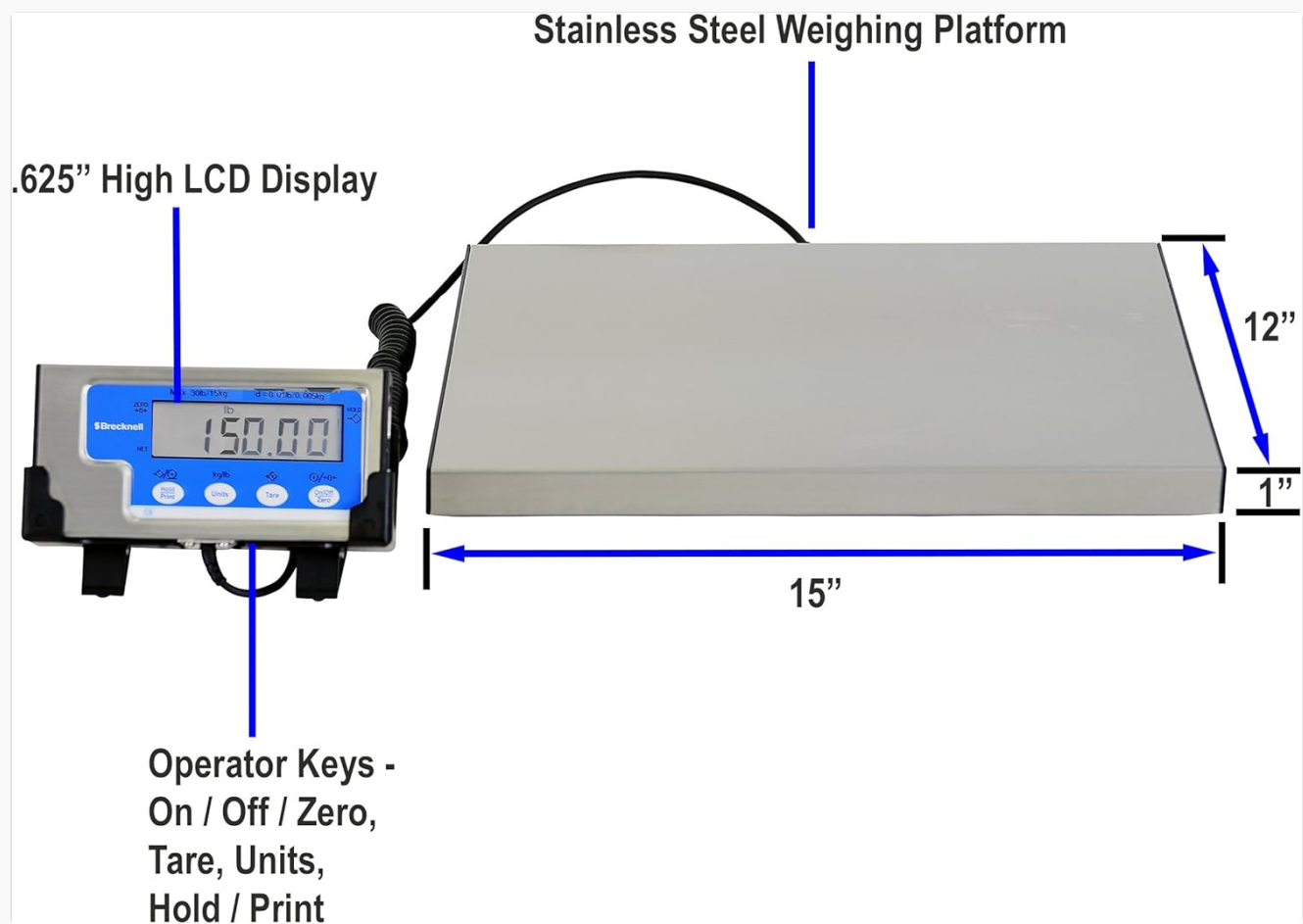


Image 4.1: Labeled diagram of the LPS150 scale components.

4.2 Display and Controls

The indicator features a 0.63-inch, 5-digit LCD display. The operator keys include:

- **ON / OFF / ZERO:** Powers the scale on or off, and zeros the display.

- **UNITS:** Changes the weighing unit (lb, kg, lb/oz).
- **TARE:** Subtracts the weight of a container.
- **HOLD / PRINT:** Holds the displayed weight or sends data via RS-232.

5. SETUP

5.1 Placement

Place the weighing platform on a firm, level, and stable surface. Ensure there are no obstructions around the platform that could interfere with accurate weighing. The indicator can be placed on a desk or mounted to a wall using the included bracket.



Image 5.1: Example of scale placement with wall-mounted indicator.

5.2 Power Connection

The LPS150 scale can be powered by either the included AC adapter or four AAA batteries.

- **AC Adapter:** Connect the AC adapter to the power input port on the indicator and plug it into a standard electrical outlet.
- **Batteries:** Open the battery compartment on the back of the indicator and insert four AAA batteries, observing correct polarity.

5.3 Connecting the Indicator to the Platform

Connect the coiled cable from the weighing platform to the corresponding port on the indicator. Ensure the connection is secure.

6. OPERATING INSTRUCTIONS

6.1 Basic Weighing

1. Press the **ON / OFF / ZERO** button to power on the scale. The display will show "0.00" when ready.
2. Place the item to be weighed gently on the center of the weighing platform.
3. Read the weight displayed on the LCD.
4. Remove the item from the platform. The display should return to zero. If not, press **ON / OFF / ZERO** to re-zero.



Image 6.1: The LPS150 scale ready for weighing.



Image 6.2: Weighing a package on the LPS150 scale.

6.2 Unit Conversion

To change the weighing unit:

- With the scale on and displaying weight, press the **UNITS** button.
- The display will cycle through available units: pounds (lb), kilograms (kg), and pounds/ounces (lb/oz).
- Release the button when the desired unit is shown.

6.3 Tare Function

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

1. Place an empty container on the weighing platform.
2. Wait for the weight to stabilize.
3. Press the **TARE** button. The display will return to "0.00" and the TARE indicator will illuminate.
4. Add items to the container. The display will show only the weight of the added items.
5. To clear the tare, remove the container from the platform and press the **TARE** button again.

6.4 Hold Function

The Hold function allows you to temporarily freeze the displayed weight, which is useful for weighing large or awkwardly shaped items that might obscure the display.

- Place the item on the platform.
- Once the weight is stable, press the **HOLD / PRINT** button. The displayed weight will be held, and the HOLD indicator will illuminate.
- To release the held weight, press the **HOLD / PRINT** button again.

6.5 RS-232 Communication Setup (for UPS Worldship)

The LPS150 scale includes an RS-232 port for data communication with compatible software, such as UPS Worldship. Correct configuration of both the scale and your computer's serial port is crucial for proper functionality.

6.5.1 Scale Configuration

1. Ensure the scale is powered off.
2. Press and hold the **ON / OFF / ZERO** button and the **UNITS** button simultaneously until the display shows "P1". This enters the setup menu.
3. Press the **TARE** button repeatedly to cycle through the programming parameters (P1, P2, P3, etc.) until you reach **P4**.
4. At P4, press the **UNITS** button to change the setting to **7** (NCI protocol).
5. Press the **TARE** button to save the P4 setting and advance to **P5**.
6. At P5, press the **UNITS** button to change the setting to **2** (4800 baud rate).
7. Press the **TARE** button to save the P5 setting and advance to **P6**.
8. At P6, press the **UNITS** button to change the setting to **2** (7E1 data format).
9. Press the **ON / OFF / ZERO** button to save all settings and exit the setup menu.

6.5.2 Computer Serial Port Configuration (Windows PC)

1. Connect the RS-232 cable from the scale indicator to an available serial port on your computer. If your computer does not have a serial port, a USB-to-serial adapter may be required.
2. Open Device Manager (search for "Device Manager" in the Windows search bar).
3. Expand the "Ports (COM & LPT)" section.
4. Identify the COM port assigned to your scale (e.g., COM1, COM3). Double-click on it to open its Properties.
5. Go to the "Port Settings" tab and configure as follows:
 - **Bits per second:** 4800
 - **Data bits:** 7
 - **Parity:** Even
 - **Stop Bits:** 1
 - **Flow control:** None
6. Click "OK" to save the settings and close Device Manager.

6.5.3 UPS Worldship Configuration

1. Open UPS Worldship software.
2. Navigate to the "Tools" tab.
3. Select "System Preferences" and then click on "Hardware".
4. Under the Scale settings, change the "Scale port" to the COM port you identified in Device Manager (e.g., COM1).
5. Change the "Scale Type" to "NCI 3835".
6. Click "Test Scale" to verify communication. The weight from the scale should now be reported in Worldship.

7. MAINTENANCE

7.1 Cleaning

To maintain accuracy and prolong the life of your scale:

- Wipe the platform and indicator with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals.

- Ensure no liquids enter the indicator or the gaps around the platform.

7.2 Battery Replacement

If the scale is powered by batteries and the display becomes dim or erratic, it's time to replace the batteries. Open the battery compartment on the back of the indicator, remove the old batteries, and insert four new AAA batteries, ensuring correct polarity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	No power (AC adapter unplugged, batteries dead/incorrectly installed).	Check AC adapter connection. Replace batteries, ensuring correct polarity.
Inaccurate or unstable readings.	Scale not on a level surface; item touching something else; overload; environmental factors (vibrations, drafts).	Ensure scale is level and stable. Re-zero the scale. Remove any obstructions. Do not exceed capacity.
Display shows "Err" or error code.	Overload condition; internal error.	Remove weight from platform. Power cycle the scale. If error persists, contact support.
RS-232 communication not working with UPS Worldship.	Incorrect scale settings; incorrect computer serial port settings; incorrect Worldship settings; faulty cable.	Review Section 6.5 for detailed configuration steps for the scale, computer, and UPS Worldship. Ensure RS-232 cable is securely connected and not damaged.

9. SPECIFICATIONS

Feature	Detail
Model	LPS150
Capacity	150 lbs (68 kg)
Weighing Units	lb, kg, lb/oz
Display	0.63" (16 mm), 5-digit LCD
Platform Size	15" L x 12" W (381 mm x 305 mm)
Construction	Stainless Steel Platform, Mild Steel Understructure, Stainless Steel/ABS Indicator
Power	4 x AAA Batteries or 6 VDC AC Adapter (both included)
Interface	RS-232
Item Weight	11 lbs (5 kg)
Product Dimensions	17 x 15 x 2.3 inches (overall)

10. WARRANTY AND SUPPORT





Brecknell products are manufactured to high standards and are warranted against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Brecknell website.



For technical assistance, troubleshooting, or spare parts, please contact Brecknell customer support. Have your model number (LPS150) and purchase information ready when contacting support.

Brecknell Contact Information:

Please refer to the official Brecknell website or your product packaging for the most current contact details.

Related Documents - LPS150

	<p>Brecknell BFS-150 Multifunction Scale: Instruction Manual and User Guide</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>Brecknell 67XXU USB/Serial Scale Series Service Manual</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>Brecknell SBI-240 Weighing Indicator Service Manual</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 Balance Portative avec Main Courante : Caractéristiques et Spécifications</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 WS300 Light Capacity Platform Scales</p> <p>The WS300 Light Capacity Platform Scale is a compact and accurate weighing solution for light-duty applications. It features a stainless steel platform, a built-in LCD display, and a power switch. The scale is designed for easy use and is suitable for a wide range of applications, including retail, industrial, and laboratory use.</p> <p>Key Features:</p> <ul style="list-style-type: none">Stainless steel platformBuilt-in LCD displayPower switchCompact designAccurate weighing	<p>Brecknell WS300 Light Capacity Platform Scales - Product Overview and Specifications</p> <p>Detailed overview and specifications for the Brecknell WS300 series light capacity platform scales, featuring rust-resistant stainless steel platforms, versatile power options, and accurate weighing for various applications.</p>
 <p>Brecknell PS3000-LCD Floor Scale</p> <p>The PS3000-LCD Floor Scale is a heavy-duty weighing solution for large animals, veterinary use, and cargo. It features a durable IP67 rated platform, a user-friendly SBI 210 indicator, and versatile power options. The scale is designed for easy use and is suitable for a wide range of applications, including retail, industrial, and laboratory use.</p> <p>Key Features:</p> <ul style="list-style-type: none">Durable IP67 rated platformUser-friendly SBI 210 indicatorVersatile power optionsHeavy-duty constructionAccurate weighing	<p>Brecknell PS3000-LCD Floor Scale - Robust Weighing for Animals and Cargo</p> <p>Discover the Brecknell PS3000-LCD floor scale, engineered for heavy-duty weighing of large animals, veterinary use, and cargo. Features a durable IP67 rated platform, user-friendly SBI 210 indicator, and versatile power options. Ideal for demanding environments.</p>