Cardinal PS4

Detecto Digital Portion Control Scale User Manual

Model: PS4 | Brand: Cardinal

1. Introduction

This manual provides comprehensive instructions for the proper setup, operation, maintenance, and troubleshooting of your Detecto Digital Portion Control Scale, Model PS4. Please read this manual thoroughly before using the scale to ensure safe and efficient operation.

The Detecto PS4 scale is designed for precise portion control, featuring a smooth, molded stainless steel body, a lift-off stainless steel commodity tray, and a sealed membrane keypad. Its design prioritizes ease of cleaning and operation, making it suitable for various applications, particularly in the food industry. The main board is coated with a moisture-resistant solution for enhanced durability.



Image: The Detecto Digital Portion Control Scale, Model PS4, featuring a silver stainless steel body, a flat weighing platform, and a digital display with blue 'UNITS' and 'ZERO' buttons, and a red 'ON/OFF' button.

2. Safety Information

Always observe the following safety precautions to prevent injury and damage to the scale:

- Do not overload the scale beyond its maximum capacity of 4 lbs (or 1814 grams).
- Avoid dropping the scale or subjecting it to severe impacts.
- Do not immerse the scale in water or other liquids. While moisture-resistant, it is not waterproof.
- Use only the specified 9VDC battery or AC power adapter.
- Keep the scale away from extreme temperatures and direct sunlight.
- Ensure the scale is placed on a stable, level surface during operation.

3. What's in the Box

Upon unpacking, verify that all components are present:

- Detecto Digital Portion Control Scale (PS4 unit)
- Stainless Steel Commodity Tray
- AC Power Adapter (if included with your model)
- User Manual (this document)

4. Setup

4.1 Unpacking and Placement

1. Carefully remove the scale and all accessories from the packaging.
2. Place the scale on a firm, level, and stable surface, free from vibrations.
3. Ensure adequate space around the scale for proper operation and ventilation.
4. Place the stainless steel commodity tray securely onto the weighbridge, ensuring the welded studs align with the corresponding slots.

4.2 Powering the Scale

The PS4 scale can be powered by a 9VDC battery or an AC power adapter.

- **Battery Operation:** Locate the battery compartment on the underside of the scale. Insert a 9VDC battery, observing the correct polarity.
- **AC Power Operation:** Plug the AC power adapter into the power input jack on the scale and then into a standard electrical outlet.

5. Operating Instructions

5.1 Basic Operation

1. **Power On/Off:** Press the **ON/OFF** button to turn the scale on or off. The display will show "0.00" when ready for use.
2. **Changing Units:** Press the **UNITS** button to cycle through available weighing units (e.g., lbs, kg, oz, g). The selected unit will be indicated on the display.
3. **Zero/Tare Function:**
    - To zero the scale (set the current weight to zero), press the **ZERO** button when the platform is empty or has a stable weight.
    - To tare (subtract the weight of a container), place the empty container on the platform and press the **ZERO** button. The display will return to "0.00", and you can then add the item to be weighed.
4. **Weighing Items:** Place the item to be weighed gently onto the center of the stainless steel commodity tray. Wait for the display to stabilize and read the weight.

5.2 Key Features

- **Accurate to 1 Gram:** Provides precise measurements for portion control.
- **Large 0.8-inch-high LCD Display:** Ensures clear and easy readability of measurements.
- **Stainless Steel Enclosure:** Durable and easy to clean for hygienic use.
- **NSF Approved:** Meets public health and safety standards.

6. Maintenance and Care

6.1 Cleaning

The PS4 scale is designed for easy cleaning:

- Always turn off and unplug the scale before cleaning.
- The stainless steel commodity tray can be lifted off and washed with mild soap and water. Rinse thoroughly and dry completely before reattaching.
- Wipe the scale body and keypad with a damp cloth and mild detergent. Do not use abrasive cleaners, solvents, or immerse the unit.
- Ensure no liquid enters the display or button areas.

6.2 Storage

When not in use for extended periods, store the scale in a dry, cool place, away from direct sunlight and extreme temperatures. If using batteries, remove them to prevent leakage.

7. Troubleshooting

If you encounter issues with your Detecto PS4 scale, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scale does not turn on.	No power, dead battery, or faulty AC adapter.	Check battery installation/charge. Ensure AC adapter is securely plugged in. Try a different power source.
Inaccurate readings.	Scale not on a level surface, overloaded, or foreign object under platform.	Place scale on a stable, level surface. Do not exceed capacity. Check for debris under the weighing platform. Recalibrate if necessary (refer to advanced manual or contact support).
Display shows "EEEE" or "O_Ld".	Scale is overloaded.	Remove excess weight immediately. The scale's maximum capacity is 4 lbs.
Buttons are unresponsive.	Keypad issue or internal malfunction.	Turn the scale off and on again. Ensure the keypad is clean and dry. If problem persists, contact customer support.

8. Specifications

Feature	Detail
Model Number	PS4
Brand	Cardinal Detecto
Capacity	4 lbs (approx. 1814 grams)
Accuracy	1 Gram
Power Source	9VDC Battery or AC Power
Display Type	Large 0.8-inch-high LCD Display
Construction	Stainless Steel Enclosure, Sealed Membrane Keypad

Feature	Detail
Product Dimensions	6.7 x 5.9 x 1.5 inches
Item Weight	2.05 Pounds
Special Features	High Precision, NSF Approved

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Cardinal Detecto customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

While specific warranty terms are not detailed here, typical warranties cover defects in materials and workmanship under normal use. Damage due to misuse, neglect, or unauthorized repairs is generally not covered.

For further assistance, please visit the official Cardinal Detecto website or contact their customer support line.

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