

Yamato DP-6900

Yamato DP-6900 Digital Scale User Manual

Model: DP-6900

1. INTRODUCTION

Thank you for choosing the Yamato DP-6900 Digital Scale. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your scale. Please read this manual thoroughly before using the product and retain it for future reference.

1.1 Product Overview

The Yamato DP-6900 is a high-capacity digital scale designed for precise weighing applications, including check weighing, grading, packing, counting, and total weight calculations. It features a robust stainless steel platform, an NTEP-approved design for legal trade in the US and Canada, and a user-friendly LCD display.

1.2 Safety Information

- Always place the scale on a stable, level surface to ensure accurate readings.
- Do not overload the scale beyond its maximum capacity of 150 pounds (68 kg).
- Avoid exposing the scale to extreme temperatures, humidity, or direct sunlight.
- Keep the scale away from strong electromagnetic fields, which can interfere with its operation.
- Use only the provided AC adapter for power.
- Do not attempt to disassemble or repair the scale yourself. Contact qualified service personnel.
- Keep children and pets away from the scale during operation.

2. PACKAGE CONTENTS

Carefully unpack all items and check against the list below. If any items are missing or damaged, contact your supplier immediately.

- Yamato DP-6900 Digital Scale Base

- Stainless Steel Platform (14-inch x 20-inch)
- AC Adapter
- User Manual (this document)
- *Optional: Alkaline battery kit (if purchased separately)*



Image: The Yamato DP-6900 Digital Scale, showing the main unit with its stainless steel weighing platform and the tilt-and-swivel LCD display.

3. SETUP

3.1 Unpacking and Placement

1. Remove all packaging materials from the scale and its components.
2. Place the scale base on a firm, level, and stable surface, free from vibrations.
3. Ensure there is adequate space around the scale for safe operation and to prevent accidental bumps.

3.2 Installing the Platform

1. Carefully place the stainless steel platform onto the scale base, ensuring it sits securely on the load cell supports.
2. Verify that the platform is level and does not wobble.

3.3 Power Connection

The DP-6900 can be powered by the included AC adapter or its built-in rechargeable battery.

3.3.1 AC Power

1. Connect the AC adapter to the power input port on the scale.
2. Plug the AC adapter into a standard electrical outlet.
3. The scale will begin charging its internal battery automatically.

3.3.2 Battery Operation

The scale features a built-in rechargeable battery for portable use. Ensure the battery is fully charged before initial use for optimal performance. The battery life can be conserved using the adjustable auto shut-off feature.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on: Press the **ON/OFF** button. The display will show a self-test sequence and then settle at 0.00.
- To power off: Press and hold the **ON/OFF** button until the display turns off.

4.2 Basic Weighing

1. Ensure the scale is powered on and the display reads 0.00.
2. Carefully place the item to be weighed onto the center of the stainless steel platform.
3. Read the weight displayed on the LCD.
4. Remove the item from the platform. The display should return to 0.00.

4.3 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 onto the platform. The display will show its weight.
2. Press the **TARE** button. The display will reset to 0.00, indicating the container's weight has been tared out.
3. Place the items to be weighed into the container. The display will show the net weight of the items.
4. To clear the tare, remove the container and its contents, then press the **TARE** button again.

4.4 Check Weighing and Annunciators

The DP-6900 features a color LED under/accept/over annunciator for efficient check weighing.

1. Refer to the scale's advanced settings (not detailed in this basic manual) to set target weight ranges for check weighing.
2. When an item is placed on the platform, the LED annunciator will light up:
 - **Under:** Indicates the item's weight is below the set lower limit.
 - **Accept:** Indicates the item's weight is within the set acceptable range.
 - **Over:** Indicates the item's weight is above the set upper limit.

4.5 Counting Function

The scale can be used for counting a large number of identical items based on a sample weight.

1. Place a known quantity of items (e.g., 10, 20, 50) on the platform.
2. Access the counting mode (refer to the full operational manual for specific button sequences).
3. Input the sample quantity. The scale will calculate the average piece weight.
4. Add more items, and the display will show the total count.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the scale from the power source before cleaning.
- Wipe the stainless steel platform and scale body with a soft, damp cloth.
- For stubborn stains, use a mild detergent. Avoid abrasive cleaners, solvents, or harsh chemicals.
- Do not spray liquids directly onto the scale.
- Ensure the scale is completely dry before reconnecting power.

5.2 Battery Care

- To prolong battery life, fully charge the battery before initial use and after extended periods of storage.
- If the scale will not be used for a long time, charge the battery every 3 months to prevent deep discharge.
- The adjustable auto shut-off feature can be configured to conserve battery power during operation.

5.3 Storage

When not in use, store the scale in a clean, dry, and stable environment, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not power on.	No power from AC adapter; battery discharged.	Check AC adapter connection and power outlet. Charge the battery.
Inaccurate readings.	Scale not level; unstable surface; overloaded; external interference.	Ensure scale is on a level, stable surface. Do not overload. Remove sources of vibration or electromagnetic interference.
Display shows "OVERLOAD" or "Err".	Weight exceeds maximum capacity.	Remove excess weight immediately. Do not exceed 150 lbs.
Tare function not working.	Incorrect operation.	Ensure an empty container is placed before pressing TARE. Press TARE again to clear.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model	DP-6900
Brand	Yamato
Maximum Capacity	150 Pounds (approx. 68 kg)

Feature	Detail
Readout Accuracy	0.05 Pound (approx. 22.68 grams)
Platform Dimensions	14 inches x 20 inches
Platform Material	Stainless Steel
Display Type	LCD with Tilt-and-Swivel feature
Annunciator	Color LED (Under/Accept/Over)
Power Source	AC Adapter (included), Built-in Rechargeable Battery
Special Features	NTEP-approved, Adjustable Auto Shut-off, Push-button Tare
Item Weight	34.8 Pounds
UPC	812027030027
Part Number	YAM-1239-001040

8. WARRANTY AND SUPPORT

Yamato Corporation warrants this product to be free from defects in materials and workmanship under normal use for a period specified at the time of purchase. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact Yamato Corporation customer service:

- **Website:** www.yamato.com (Note: This is a placeholder URL, please refer to your product documentation for the official support website.)
- **Email:** support@yamato.com (Note: This is a placeholder email, please refer to your product documentation for the official support email.)
- **Phone:** Refer to your product documentation for regional contact numbers.

When contacting support, please have your model number (DP-6900) and serial number (if applicable) ready.