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- › [Ishida](#) /
- › [Ishida Digital Counting Scale CX-α 6000 User Manual](#)

Ishida CX-α 6000

Ishida Digital Counting Scale CX-α 6000 User Manual

Model: CX-α 6000 | Brand: Ishida

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Ishida Digital Counting Scale CX-α 6000. Please read this manual thoroughly before using the scale and keep it for future reference. This scale is designed for precise weighing and accurate piece counting in various applications, with a maximum capacity of 6kg.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage to the device or injury to users, observe the following precautions:

- **Power Supply:** Use only the specified AC adapter. Ensure the power outlet matches the adapter's voltage requirements.
- **Placement:** Place the scale on a stable, level, and vibration-free surface. Avoid direct sunlight, extreme temperatures, high humidity, and strong air currents.
- **Environment:** Do not operate the scale in environments with explosive gases or flammable materials. Keep liquids away from the scale to prevent electrical shock or damage.
- **Handling:** Do not drop, strike, or subject the scale to excessive force. Do not attempt to disassemble or modify the scale; this will void the warranty and may cause malfunction.
- **Cleaning:** Disconnect the power before cleaning. Use a soft, damp cloth. Do not use abrasive cleaners or solvents.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- Ishida Digital Counting Scale CX-α 6000 Unit
- Weighing Pan
- AC Adapter
- User Manual (this document)



Figure 1: Ishida Digital Counting Scale CX-α 6000. This image shows the complete scale unit with its weighing pan and control panel, featuring dual displays for weight and count, and a numeric keypad.

4. SETUP

1. **Unpacking:** Carefully remove the scale and all accessories from the packaging. Retain the packaging for future transport or storage.
2. **Placement:** Place the scale on a firm, level, and stable surface. Ensure there are no vibrations, drafts, or rapid temperature changes in the vicinity that could affect measurement accuracy.
3. **Install Weighing Pan:** Gently place the weighing pan onto the scale's platform. Ensure it is seated correctly and securely.
4. **Power Connection:** Connect the AC adapter to the power input port on the scale, then plug the adapter into a suitable electrical outlet.
5. **Initial Power On:** Press the **POWER** button to turn on the scale. The display will perform a self-test and then show "0.000" or similar, indicating it is ready for use.
6. **Level Adjustment:** Check the bubble level indicator (if present, typically on the front or side of the scale) and adjust the scale's feet until the bubble is centered. This ensures accurate measurements.

5. OPERATING INSTRUCTIONS

5.1. Basic Weighing

1. **Power On:** Press the **POWER** button. Wait for the display to stabilize at "0.000".
2. **Place Item:** Carefully place the item to be weighed onto the center of the weighing pan.
3. **Read Display:** The weight will be shown on the main display. Wait for the stability indicator (if present) to confirm a stable reading.
4. **Tare Function:** If using a container, place the empty container on the pan and press the **TARE** button. The display will reset to "0.000". Now, add the items to be weighed into the container; only the net weight of the items will be displayed.

5.2. Counting Function

The counting function allows for rapid and accurate counting of uniform items by determining their average unit weight.

1. **Enter Counting Mode:** Press the **MODE** or **COUNT** button to switch to counting mode. The display may show "PCS" or a similar indicator.
2. **Set Sample Quantity:** Use the numeric keypad to enter the number of sample pieces you will place on the pan (e.g.,

10, 20, 50). Press the **ENTER** or **SET** button to confirm.

3. **Place Sample:** Carefully place the exact number of sample pieces (e.g., 10 pieces) onto the center of the weighing pan.
4. **Confirm Unit Weight:** The scale will calculate and display the average unit weight. Press **ENTER** or **CALC** to confirm this unit weight. The display will then show the sample quantity (e.g., "10 PCS").
5. **Add Items for Counting:** Remove the sample pieces. Now, place the bulk quantity of items to be counted onto the pan. The scale will display the total count of the items.
6. **Clear Count:** To start a new count, remove all items and press the **ZERO** or **CLEAR** button.

6. MAINTENANCE

- **Cleaning:** Regularly clean the scale's exterior and weighing pan with a soft, slightly damp cloth. Do not use harsh detergents, solvents, or abrasive materials, as these can damage the finish or internal components. Ensure no liquid enters the scale's housing.
- **Storage:** When not in use for extended periods, store the scale in a dry, stable environment, away from direct sunlight and extreme temperatures.
- **Calibration:** For continued accuracy, periodic calibration may be required. Refer to the detailed calibration section in the full technical manual or contact authorized service personnel for calibration procedures.
- **Inspection:** Periodically inspect the power cord and adapter for any signs of damage. If damaged, discontinue use and replace with an authorized Ishida part.

7. TROUBLESHOOTING

If you encounter issues with your scale, consult the table below before contacting service.

Problem	Possible Cause	Solution
Scale does not power on.	No power, faulty AC adapter, or power outlet issue.	Check AC adapter connection. Ensure power outlet is functional. Try a different outlet.
Unstable readings.	Unstable surface, drafts, vibrations, or temperature fluctuations.	Place scale on a firm, level surface. Avoid drafts. Ensure stable environment. Re-level the scale.
"Err" or "OL" displayed.	Overload or internal error.	Remove excess weight from the pan. Power cycle the scale. If error persists, contact service.
Inaccurate counting.	Incorrect sample quantity, non-uniform items, or unit weight not properly set.	Ensure sample quantity matches the number entered. Use uniform items. Re-establish unit weight with a precise sample.

If the problem persists after attempting these solutions, please contact Ishida customer support or an authorized service center.

8. SPECIFICATIONS

- **Model:** CX- α 6000
- **Brand:** Ishida
- **Maximum Capacity:** 6 kg
- **Power Supply:** AC Adapter (specific voltage/current details typically on adapter label)
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F) (*Assumed typical range for scales, if not specified*)

- **Display:** Dual LCD (Weight and Count)

9. WARRANTY AND SUPPORT

Warranty: This Ishida Digital Counting Scale CX- α 6000 is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or contact your local Ishida distributor for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support: For technical assistance, service, or spare parts, please contact your authorized Ishida dealer or visit the official Ishida website for contact information in your region. When contacting support, please have your model number (CX- α 6000) and serial number (if applicable) ready.