

Bonvoisin XXX-69

Bonvoisin Industrial Counting Scale User Manual

Model: XXX-69

1. INTRODUCTION

Thank you for choosing the Bonvoisin Industrial Counting Scale. This digital scale is designed for precise weighing and counting of various items such as parts, coins, and accessories. It features multiple functions including unit conversion, tare, counting, and alarm settings to enhance efficiency in industrial and commercial applications. Please read this manual thoroughly before operation to ensure proper use and maintenance.

2. SAFETY INFORMATION

- Always operate the scale on a stable, level surface to ensure accurate readings.
- Avoid exposing the scale to extreme temperatures, humidity, or direct sunlight.
- Do not overload the scale beyond its maximum capacity (15kg/33lb for this model) to prevent damage.
- Keep the scale away from strong electromagnetic fields.
- Disconnect the power supply before cleaning or if the scale will not be used for an extended period.
- Do not attempt to disassemble or repair the scale yourself. Contact qualified service personnel for assistance.

3. PACKAGE CONTENTS

PACKAGE INCLUDES



Scale*1



100-240V Cable*1



Manual*1



Battery NOT included due to shipping restriction but it can be purchased separately online.

Battery Specification: 6V 4AH Sealed Lead Acid Rechargeable

Image showing the scale, power cable, and manual included in the package. Note: Battery is not included and must be purchased separately.

- Bonvoisin Industrial Counting Scale x 1
- 100-240V Power Cable x 1
- User Manual x 1
- *Note: 6V 4AH Sealed Lead Acid Rechargeable Battery is NOT included and must be purchased separately.*

4. PRODUCT OVERVIEW



Front view of the Bonvoisin Industrial Counting Scale, highlighting the stainless steel weighing pan, triple LCD display, and numeric keypad.

The scale features a durable stainless steel weighing pan (11.2 x 8.2 inches) and a robust ABS shell. The front panel includes a triple LCD display for Weight, Unit Weight, and Quantity, along with a numeric keypad for various functions.

WITH RS232 INTERFACE

RS232

It can be connected to printer or computer for data output.

NOTICE:

The balance adopts null modem serial connection NOT straight through connection (TX/RX switched), so computer app(such as hyper terminal or STC ISP) required for data output.



Rear view of the scale, showing the RS232 interface for data output to a computer or printer.

5. SETUP

5.1 Unpacking and Placement

- Carefully remove the scale from its packaging.
- Place the scale on a firm, level, and stable surface, free from vibrations or drafts.
- Ensure adequate space around the scale for proper operation and ventilation.

5.2 Power Connection

- Connect the provided power cable to the scale's power input port and then to a suitable electrical outlet.
- The scale can operate directly from AC power.

5.3 Battery Installation (Optional)

For portable use, a 6V 4AH Sealed Lead Acid Rechargeable Battery (not included) can be installed. This typically

requires opening the bottom casing of the scale and connecting the battery to the internal connector. If you require detailed instructions or the necessary cable, please contact Bonvoisin customer support.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- To power on the scale, press the **[ON/OFF]** button.
- To power off the scale, press and hold the **[ON/OFF]** button until the display turns off.

6.2 Zeroing and Tare Function



Visual guide for using the Tare function to subtract container weight.

- **Zeroing:** If the display does not show zero when nothing is on the pan, press the **[ZERO]** button to reset it.
- **Tare:** To weigh items in a container, first place the empty container on the weighing pan. Press the **[TARE]** button. The display will reset to zero, effectively subtracting the container's weight. Then, add your items to the container for accurate net weight measurement.

6.3 Unit Conversion (g/kg/lb)

3 UNITS CONVERSION

Press and hold Function key to switch unit from g/kg/lb

g
(gram)

500 g

kg
(Kilogram)

0.500 kg

(pound) **lb**

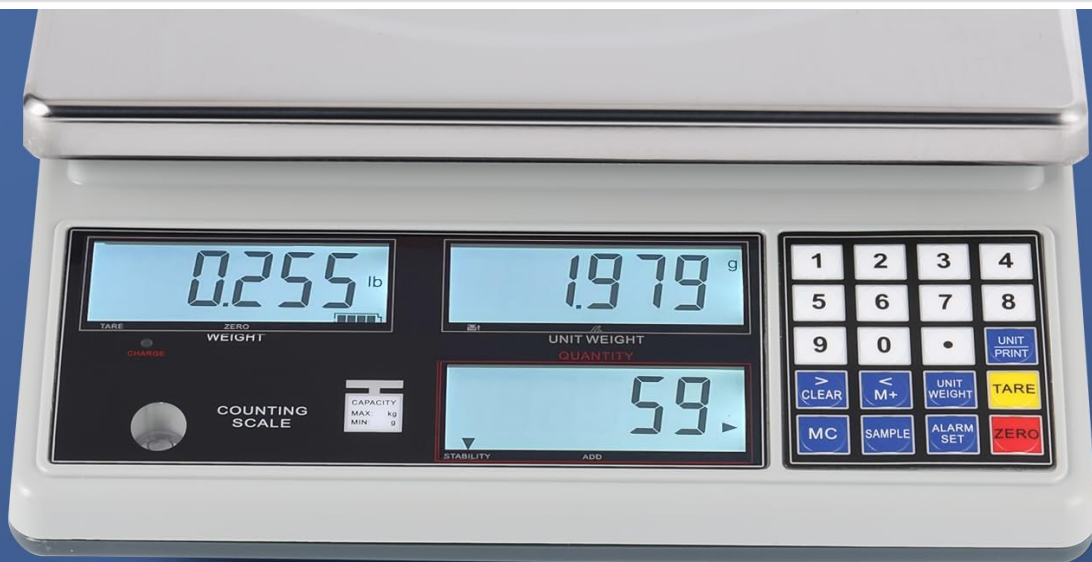
1.000 lb



Demonstration of unit conversion between grams, kilograms, and pounds.

- To switch between weighing units (grams, kilograms, pounds), press and hold the **[FUNCTION]** key. The display will cycle through the available units. Release the button when the desired unit is shown.

6.4 Counting Function



WIDE APPLICATION

It can be applied for counting coins, pills, accessories, cards, etc.



NOTICE:

It is recommended to count items piece weight heavier than half of the readability of the scale. For example, for 30kg, 1g counting scale, please count piece item heavier than 0.5g.

The scale is suitable for counting various small items like screws, coins, pills, and caps.

Your browser does not support the video tag.

Video demonstrating the accurate weighing, counting, unit conversion, and alarm functions of the Bonvoisin Counting Scale.

- **Sampling:** Place a known number of samples (e.g., 10, 20, 50, 100 pieces) on the weighing pan.
- Input the number of samples using the numeric keypad.
- Press the **[SAMPLE]** button. The scale will calculate the average unit weight.
- Once sampled, you can add more items, and the scale will display the total quantity in the 'Quantity' window.
- *Note: It is recommended to count items with a piece weight heavier than half of the readability of the scale for optimal accuracy.*

6.5 Weight and Quantity Alarm Setting

WEIGHT/ QUANTITY ALARM SETTING FUNCTION

THREE MODES:

Alarm when in the setting range

Alarm when out of the setting range

Alarm when over the setting value



Illustration of the weight/quantity alarm setting function with three alarm modes.

Your browser does not support the video tag.

Detailed video guide on how to set up weight and quantity alarms on the counting scale.

- **Entering Alarm Mode:** Press and hold the **[.]** key, then press **[5]** to enter the alarm mode setting.
- **Choosing Alarm Mode:** Use the **[M+]** key to cycle through alarm modes:
 - "no": Alarm off.
 - "in": Alarm when in the set range.
 - "out": Alarm when out of the set range.
 - "up": Alarm when exceeding the set value.
- Press **[TARE]** to confirm the chosen mode.
- **Setting Alarm Value:** Press the **[ALARM SET]** key. Input the desired alarm value (weight or quantity) using the numeric keypad.
- Press **[TARE]** to confirm the alarm value. The scale will now sound an alarm when the set condition is met.

6.6 RS232 Interface

- The RS232 interface allows for serial data exchange between the scale and a computer or printer.
- Connect the RS232 cable (not included) to the port on the back of the scale and to your device.
- *Note: The balance uses a null modem serial connection (NOT straight through TX/RX switched). Specific computer applications (e.g., hyper terminal or STC ISP) may be required for data output.*

7. MAINTENANCE

- Clean the weighing pan and scale body regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no liquids enter the scale's internal components.
- Store the scale in a dry, dust-free environment when not in use.
- Avoid dropping or subjecting the scale to sudden impacts.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unstable or fluctuating readings	Unstable surface; drafts; electromagnetic interference; internal sensor issue.	Place on a stable, level surface. Avoid drafts. Move away from electronic devices. If problem persists, contact support.
Scale does not power on	No power; faulty power cable; discharged battery (if installed).	Check power connection. Try a different outlet. Charge battery or replace if necessary. Ensure battery is correctly installed.
Incorrect counting results	Incorrect sampling quantity; unit weight too low for scale resolution.	Ensure correct sample quantity is entered during sampling. Use a larger sample size for very light items. Ensure piece weight is heavier than half of the scale's readability.
Keypad unresponsive	Internal connection issue; keypad damage.	Try restarting the scale. If persistent, contact customer support for potential keypad replacement or repair.

9. SPECIFICATIONS

Feature	Detail
Brand	Bonvoisin
Model	XXX-69
Capacity	15kg / 33lb
Readability / Accuracy	0.1g
Weighing Pan Material	Stainless Steel
Body Material	Acrylonitrile Butadiene Styrene (ABS)
Display Type	LCD with Backlit Display

Feature	Detail
Units	g, kg, lb
Interface	RS232
Item Weight	7.94 pounds
Package Dimensions	14.25 x 13.54 x 5.87 inches
Recommended Uses	Coins, Parts, Accessories

10. WARRANTY AND SUPPORT

Bonvoisin products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries regarding your industrial counting scale, please contact Bonvoisin customer service through your purchase platform or the official Bonvoisin website. Please have your model number and purchase details ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I calibrate the Bonvoisin XXX-69 Industrial Counting Scale?

The provided manual for the Bonvoisin XXX-69 Industrial Counting Scale does not list a specific user-accessible calibration procedure. However, it does provide instructions for Zeroing and Sampling, which are often confused with calibration:Zeroing: If...

[Read full answer](#)

How can I change the unit weight from grams to pounds on the Bonvoisin XXX-69 Industrial Counting Scale?

Yes, you can change the weighing units on the Bonvoisin XXX-69 Industrial Counting Scale. The scale supports grams (g), kilograms (kg), and pounds (lb).To switch between these units, follow these steps:Locate the [FUNCTION] key...

[Read full answer](#)