

Bonvoisin XXX-92-SXL

Bonvoisin Digital Crane Scale 3000kg/6600lb Instruction Manual

Model: XXX-92-SXL

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1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Bonvoisin Digital Crane Scale, Model XXX-92-SXL. This heavy-duty industrial hanging scale is designed for precise weight measurement up to 3000kg (6600lb) and features a dual-purpose design for use as a dynamometer. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT FEATURES

- **Dual-Purpose Design:** Equipped with closed circular rings on both top and bottom, allowing it to function as both a crane scale for weighing and a dynamometer for measuring pulling force and tension.
- **Unit Conversion:** Easily switch between kilograms (kg) and pounds (lb) units to suit various measurement requirements.
- **Peak Hold Function:** Captures and displays the maximum force or weight recorded during a measurement, useful for applications requiring peak load data.
- **Data Hold Function:** Locks the current measured value on the display, enabling convenient reading even when the scale or load is in motion.
- **High Precision:** Adheres to OIML III accuracy class standards, ensuring reliable and accurate measurement results for professional use.
- **Waterproof Panel:** The control panel is designed to resist splashes and moisture, enhancing durability and allowing operation in humid or outdoor environments.
- **Large LCD Display:** Features a clear LCD display for easy readability of measurements.
- **Auto Shut-Off:** Includes an adjustable auto shut-off feature to conserve battery life.

3. SETUP AND INSTALLATION

3.1 Battery Installation

The crane scale requires 3 AA batteries (not included). To install the batteries:

1. Locate the battery compartment cover, typically on the back or side of the scale.
2. Rotate the cover counter-clockwise to open it.
3. Insert 3 AA batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover and rotate clockwise to secure it.



POWER MODE

AA battery*3
(not included in the package)

Figure 3.1: Battery installation for the crane scale. The scale requires 3 AA batteries, which are not included.

3.2 Mounting the Scale

Attach the crane scale securely to a suitable lifting mechanism (e.g., crane hook, hoist) using the top circular ring. Ensure the connection is stable and capable of supporting the maximum weight capacity of the scale (3000kg/6600lb) plus any additional load.



Figure 3.2: The crane scale attached to a lifting mechanism, demonstrating its use and providing key dimensions for installation planning.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- Press the **ON/OFF** button to turn the scale on.
- Press and hold the **ON/OFF** button to turn the scale off.

4.2 Unit Conversion (kg/lb)

To switch between kilograms (kg) and pounds (lb):

- Press and hold the **HOLD** key until the unit changes on the display.

PEAK FUNCTION

Displays the maximum force at any given time in your system

For instance, if it loads 23.6lb, 53.6lb and 24.8lb in turn, it will display the maximum loading 53.6lb.

23.6
ZPS lb

53.6
ZPS lb

⋮

24.8
ZPS lb



Press the peak key to open this function and the screen displays a "P".

Figure 4.1: Demonstrates how to switch between kilogram and pound units using the HOLD button.

4.3 Tare Function

The Tare function allows you to subtract the weight of a container or fixture, so only the net weight of the item is measured.

- Place the empty container or fixture on the scale.
- Press the **TARE** button. The display will reset to zero.
- Add the item to be weighed into the container. The display will show the net weight of the item.

Your browser does not support the video tag.

Video 4.1: A demonstration of the Bonvoisin crane scale in use, showing the weighing process and display functionality. This video illustrates how to operate the scale for basic weighing tasks.

4.4 Peak Hold Function

The Peak Hold function records and displays the maximum weight or force applied during a measurement cycle.

- Press the **PEAK** button to activate this function. A "P" indicator may appear on the screen.
- Apply the load. The display will continuously update to show the highest value reached.
- Once the load is removed or stabilized, the display will retain the peak value.



Figure 4.2: Explains the Peak Hold function, which displays the maximum force or weight measured during an operation.

4.5 Data Hold Function

The Data Hold function allows you to freeze the current reading on the display.

- Once a stable weight is displayed, press the **HOLD** button. The reading will be locked on the screen.
- Press the **HOLD** button again to release the reading and return to live measurement.

PRESS AND HOLD "HOLD" KEY TO SWITCH UNIT BETWEEN KG AND LB



Figure 4.3: Details the Data Hold function, which allows users to lock the measured value on the screen for easier reading.

4.6 Auto Shut-Off and Idle Mode Settings

The scale features adjustable auto shut-off and idle mode times to conserve power. Refer to the specific settings menu (if available, usually accessed by holding a button during power-on) to configure these options. Common settings include 5, 10, 15, 30, or 60 minutes for auto shut-off, and 5, 10, 30, or 60 seconds for idle mode.

4.7 Backlit Brightness Adjustment

The display backlight brightness can be adjusted for optimal visibility in various lighting conditions. Options typically include Off, Dim, Normal, and Bright. Consult the scale's settings menu for adjustment procedures.

5. MAINTENANCE

5.1 Cleaning

The scale features a waterproof control panel, allowing for operation in wet conditions. To clean the scale:

- Wipe the surface with a damp cloth.
- Avoid using abrasive cleaners or solvents that could damage the display or housing.

- Ensure the battery compartment is sealed before cleaning with moisture.



Figure 5.1: The waterproof panel allows for safe operation even with wet hands, making it suitable for various environments.

5.2 Storage

When not in use for extended periods, remove the batteries to prevent leakage and store the scale in a dry, cool place.

5.3 Calibration

This scale is factory calibrated. If recalibration is required due to significant discrepancies or after prolonged use, consult a qualified technician or refer to specific calibration instructions provided separately by the manufacturer, if available.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AA batteries.

Problem	Possible Cause	Solution
Inaccurate readings.	Scale not stable; overloaded; needs calibration.	Ensure scale is hanging freely and stably. Do not exceed maximum capacity. If persistent, consider professional calibration.
Display shows "OL" or "Err".	Overload condition.	Remove excess weight immediately. Do not exceed the scale's maximum capacity.
Display is dim or flickering.	Low battery power; backlight setting.	Replace batteries. Adjust backlight brightness setting.

7. SPECIFICATIONS

Feature	Detail
Brand	Bonvoisin
Model	XXX-92-SXL
Weight Capacity Maximum	3000 kg (6600 lb)
Display Type	LCD
Measurement Type	Weight
Weigh Scale Type	Suspension Scale
Material Type	Metal (Alloy Steel Shell)
Power Source	3 x AA Batteries (not included)
Special Features	Auto Shut Off, Large Display, Unit Conversion, Peak Hold, Data Hold, Waterproof Panel
Color	Silver
UPC	780682679946
GTIN	780682679946

Your browser does not support the video tag.

Video 7.1: An overview video showcasing the Bonvoisin Crane Scale, highlighting its design and features for both 3000kg and 5000kg models. This video provides a general visual guide to the product.

8. SAFETY INFORMATION

Always observe the following safety precautions when using the Bonvoisin Digital Crane Scale:

- Do not exceed the maximum weight capacity of 3000kg (6600lb). Overloading can cause damage to the scale and lead to serious injury.
- Ensure the scale is securely attached to a stable and appropriate lifting device before applying any load.
- Keep hands and body clear of suspended loads.
- Inspect the scale, hooks, and rings for any signs of wear, damage, or deformation before each use. Do not use if damaged.
- Operate the scale on a level and stable surface when not suspended.
- Avoid sudden impacts or drops, as this can affect accuracy and durability.
- Do not attempt to disassemble or repair the scale yourself. Refer to qualified personnel for service.
- Keep the scale away from strong electromagnetic fields, which can interfere with its electronic components.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Bonvoisin customer service. Details can typically be found on the product packaging or the official Bonvoisin website. Please have your model number (XXX-92-SXL) and purchase date available

when contacting support.

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