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Bonvoisin -133

Bonvoisin Digital Crane Scale 5000kg/11000lb

Model: -133

Introduction

This instruction manual provides detailed information for the safe and efficient operation of your Bonvoisin Digital Crane Scale 5000kg/11000lb. Please read this manual thoroughly before using the scale to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

Safety Information

- Always ensure the scale is securely attached to a suitable lifting mechanism capable of supporting the maximum load capacity (5000kg/11000lb) plus the scale's own weight.
- Do not exceed the maximum rated capacity of the scale. Overloading can cause damage to the scale and potential safety hazards.
- Inspect the scale, hooks, and shackles for any signs of wear, damage, or corrosion before each use. Do not use if damaged.
- Ensure the load is balanced and stable before lifting. Avoid sudden movements or impacts.
- Keep hands and body clear of suspended loads.
- Operate the scale within its specified temperature and environmental conditions.
- Use only the specified battery type (3 AA batteries) and ensure correct polarity.
- Do not attempt to disassemble or repair the scale yourself. Refer to qualified service personnel.

Product Overview

The Bonvoisin Digital Crane Scale is a heavy-duty industrial hanging weight scale designed for accurate measurement of suspended loads. It features a robust construction with alloy steel rings and an aluminum die-casting case, an LCD display with backlight, and various functions for versatile use.



Image: The crane scale operating in a cold environment, emphasizing its OIML R76 Class III High Precision Sensor for accurate weighing in various conditions.

Key Features:

- **Capacity:** 5000kg / 11000lb
- **Accuracy:** OIML III Class, 1kg readout accuracy
- **Units:** KG/LB switchable
- **Functions:** Peak Hold, Hold Function
- **Display:** LCD with adjustable backlight
- **Construction:** Alloy steel rings, aluminum die-casting case
- **Special Feature:** Horizontal pull force measurable
- **Power:** 3 AA batteries (included)
- **Control:** Remote control included (for turning off only)

Components:

- Digital Crane Scale Unit
- Upper Shackle/Ring
- Lower Hook/Ring
- Remote Control
- AA Batteries (3 pcs)

Setup

1. **Battery Installation:**

   Locate the battery compartment on the back of the scale. Insert 3 AA batteries, ensuring correct polarity. Close the battery compartment securely.

2. **Attachment:**

   Attach the upper shackle/ring of the crane scale to a secure and appropriately rated lifting device (e.g., crane hook, hoist). Ensure the connection is tight and secure.

   Attach the load to be weighed to the lower hook/ring of the crane scale. Verify that the load is properly secured and balanced.

3. **Initial Power On:**

   Press the **ON/OFF** button on the scale to power it on. The display will illuminate and show "0.00" or similar, indicating it is ready for use.

Operating Instructions

1. Power On/Off

- To turn on: Press the **ON/OFF** button on the scale.
- To turn off: Press the **ON/OFF** button on the scale, or use the remote control's power button. *Note: The remote control cannot turn the scale on.*

2. Unit Switching (KG/LB)



Image: The scale display showing different unit options (KG, LB, N) and the included remote control.

- To switch between Kilograms (KG) and Pounds (LB): Press and hold the **HOLD** key on the scale until the unit changes. The display will cycle through available units (KG, LB).

3. Peak Function



Image: The crane scale in operation, demonstrating the Peak Hold function by showing how it captures the highest weight recorded during a measurement sequence.

- The Peak Function records and displays the maximum weight reached during a loading process.
- To activate/deactivate Peak Hold: Press the **PEAK** button on the scale. When active, a "PEAK" indicator may appear on the display.
- Example: If loads of 23.6lb, 53.6lb, and 24.8lb are applied sequentially, the scale will display 53.6lb as the peak load.

4. Hold Function

- The Hold Function allows you to save the most recent stable weight reading on the display, even after the load is removed.
- To activate/deactivate Hold: Press the **HOLD** button on the scale. When active, a "HOLD" indicator may appear.

5. Tare Function

- To tare the scale (zero out the weight of a container or attachment): With nothing on the hook, or with the container/attachment already on the hook, press the **TARE** button. The display will reset to "0.00".

6. Adjustable Backlight Duration



Image: The crane scale display illustrating the adjustable backlight duration feature, showing how the backlight can be set to remain on for a specific period or to auto-off.

- The scale features an adjustable backlight duration and an auto power-off timer. Consult the full product manual (if available) or contact support for specific instructions on adjusting these settings. This feature helps conserve battery life and prevents unexpected shutdowns during operation.

7. Horizontal Pull Force Measurement

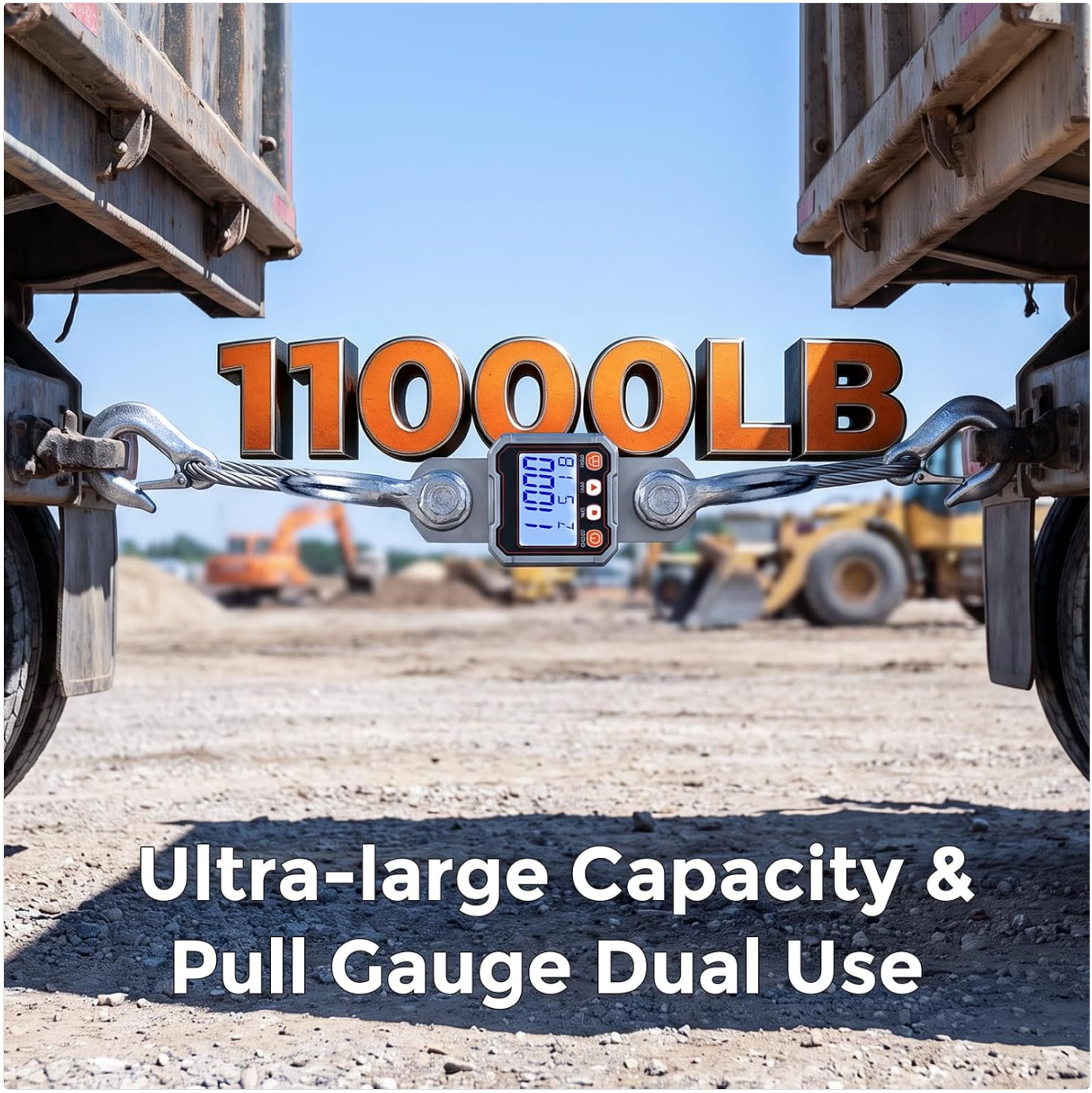


Image: The crane scale connected between two vehicles, demonstrating its capability to measure horizontal pull force, emphasizing its ultra-large capacity.

- The scale is designed with two sealed rings at the top and bottom, making it suitable for measuring horizontal pull force in addition to vertical hanging weight. Ensure proper and secure attachment for horizontal applications.

Maintenance

- **Cleaning:** Clean the scale with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the scale in a dry, clean environment away from extreme temperatures and direct sunlight.
- **Inspection:** Regularly inspect the scale's body, hooks, and rings for any signs of damage, cracks, or deformation. Ensure all connections are secure.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display or when the scale fails to power on.

Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on.	Dead or incorrectly installed batteries.	Replace batteries with new AA batteries, ensuring correct polarity.
Inaccurate readings.	Overload, unstable load, or environmental interference.	Ensure load is within capacity and stable. Avoid strong vibrations or air currents. Recalibrate if necessary (refer to advanced manual or support).
Display shows "OL" or "Err".	Scale is overloaded.	Remove excess weight immediately. Do not exceed maximum capacity.
Remote control not working.	Remote batteries dead or out of range.	Replace remote control batteries. Ensure remote is within operating range and pointed towards the scale. Remember, the remote cannot turn the scale ON.

Specifications



Image: Detailed dimensions of the 5T (5000kg) crane scale, including height, width, and hook/shackle sizes.

Model	-133
Capacity	5000 kg / 11000 lb
Readout Accuracy	1 kg
Accuracy Class	OIML III
Units	KG, LB
Display Type	LCD with Backlight
Power Source	3 x AA Batteries (included)
Material	Alloy Steel (rings), Aluminum Die-casting (case)
Item Weight	6.02 kg

Parcel Dimensions	25.73 x 23.72 x 17.6 cm
Special Features	Peak Hold, Hold Function, Tare, Horizontal Pull Force Measurable

Warranty and Support

Bonvoisin products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or visit the official Bonvoisin website. Please have your model number (-133) and purchase date available when contacting support.
For further assistance, you may contact Bonvoisin customer service through their official channels.

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