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› YATOINTO 2200lb Digital Crane Scale (Model OCS-S-1T) Instruction Manual

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High Precision Heavy Duty Industrial Hanging Scale with Remote Control

1. INTRODUCTION AND OVERVIEW

The YATOINTO Digital Crane Scale, Model OCS-S-1T, is a robust and accurate weighing instrument designed for heavy-duty industrial, agricultural, and recreational applications. With a maximum capacity of 2200 lbs (1000 kg) and a precision of 0.2 kg, this scale provides reliable measurements for various suspended loads. Its durable construction, high-brightness LCD display, and remote control functionality ensure ease of use and safety in diverse environments.



Figure 1: YATOINTO Digital Crane Scale (Model OCS-S-1T)



Figure 2: Examples of crane scale applications including weighing hay, hunting game, and materials at recycling centers.

2. SAFETY INFORMATION

Read all instructions carefully before using the scale. Failure to follow these instructions may result in injury or damage to the equipment.

- **Maximum Capacity:** Do not exceed the maximum weighing capacity of 2200 lbs (1000 kg). Overloading can damage the scale and create a safety hazard.
- **Secure Attachment:** Always ensure the scale is securely attached to a stable overhead support and that the load is properly secured to the hook before weighing.
- **Inspect Before Use:** Before each use, inspect the shackle, hook, and scale body for any signs of wear, damage, or deformation. Do not use if any damage is found.
- **Remote Control:** Use the remote control for operation whenever possible to maintain a safe distance from heavy loads.
- **Battery Safety:** Ensure batteries are inserted correctly. Do not mix old and new batteries or different types of batteries. Dispose of used batteries responsibly.
- **Environmental Conditions:** Avoid using the scale in extreme temperatures, high humidity, or corrosive environments.

unless specifically rated for such conditions.

- **Children and Unauthorized Personnel:** Keep the scale out of reach of children and ensure only trained personnel operate the device.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- YATOINTO Digital Crane Scale (Model OCS-S-1T)
- Remote Control
- AA Batteries (for scale)
- AAA Batteries (for remote control)
- Instruction Manual (this document)

4. PRODUCT FEATURES

- **High Precision:** Equipped with an accurate sensor, offering a division of 0.2 kg for precise measurements up to 2200 lbs (1000 kg).
- **Durable Construction:** Features an aluminum-casting case, stainless steel shackle, and alloy steel hook for enhanced durability and strength.
- **Remote Control Operation:** Includes a remote control for safe and convenient operation from a distance, allowing unit conversion and other functions.
- **High Visibility Display:** Utilizes a high-brightness LCD display with backlight, ensuring clear readability even from a long distance.
- **Multi-Functions:** Includes automatic battery voltage display, unit conversion (lb/kg), Tare, and Zero functions.
- **Ready to Use:** Comes with all necessary batteries (AA for scale, AAA for remote) for immediate operation.

5. SETUP

5.1 Battery Installation

1. **For the Crane Scale:** Locate the battery compartment on the back of the scale. Insert 3 AA 1.5V batteries, ensuring correct polarity (+/-). Close the battery compartment securely.
2. **For the Remote Control:** Locate the battery compartment on the back of the remote control. Insert 2 AAA 1.5V batteries, ensuring correct polarity (+/-). Close the battery compartment securely.

5.2 Attaching Shackle and Hook

The scale typically comes with the shackle and hook pre-attached. Ensure they are securely fastened and free from any obstructions or damage before use.



Figure 3: Crane Scale components including shackle and hook.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **To Power On:** Press the **ON/OFF** button on the scale or the remote control. The display will light up and show the battery voltage before settling at zero.
- **To Power Off:** Press and hold the **ON/OFF** button on the scale or the remote control until the display turns off.

6.2 Unit Conversion (lb/kg)

The scale supports weighing in both pounds (lb) and kilograms (kg).

- Press the **UNIT** button on the remote control to switch between 'lb' and 'kg'.
- The scale will retain the last selected unit even after being powered off and on again.

LIGHTWEIGHT, BUT ROBUST AND DUE



MANUAL BOOT



REMOTE CONTROL

LB & KG can be switched through the remote control.

The crane scale unit defaults to the previously set unit each time it is turned on.

Figure 4: Remote control for unit conversion and other functions.

6.3 Tare / Zero Function

- **Zero:** With no load on the hook, press the **ZERO** button to set the display to zero. This is useful for ensuring accuracy before weighing.
- **Tare:** To weigh an item in a container, first hang the empty container on the hook. Press the **TARE** button. The display will reset to zero. Then, add the item to the container to weigh only the item's net weight.



Figure 5: High-resolution LCD display with backlight for clear readings.

6.4 Weighing Procedure

1. Ensure the scale is powered on and displays '0.0' in the desired unit (lb or kg). Use the **ZERO** button if necessary.
2. Carefully attach the item to be weighed to the scale's hook. Ensure the load is stable and not swinging.
3. Read the weight displayed on the LCD screen.
4. Remove the load from the hook.

6.5 Overload Warning

If the load exceeds the maximum capacity, the scale will display an overload warning (e.g., "O-L"). Immediately remove the excess weight to prevent damage to the scale.

6.6 Video Demonstrations

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Video 1: Demonstration of the YATOINTO Digital Crane Scale's features and operation, including unit conversion and weighing.

Your browser does not support the video tag.

7. MAINTENANCE

- **Cleaning:** Wipe the scale with a soft, damp cloth. Do not use abrasive cleaners or immerse the scale in water.
- **Battery Replacement:** When the battery voltage display indicates low power (below 3.5V), replace all AA batteries in the scale and AAA batteries in the remote control with new 1.5V batteries.
- **Storage:** Store the scale in a dry, cool place away from direct sunlight and extreme temperatures. If storing for an extended period, remove all batteries to prevent leakage.
- **Inspection:** Regularly inspect the shackle, hook, and load-bearing points for any signs of wear, cracks, or corrosion. Replace damaged components immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AA batteries.
Inaccurate readings.	Scale not zeroed; unstable load; environmental factors.	Press ZERO before weighing. Ensure load is stable. Avoid drafts or vibrations.
"O-L" or Overload message.	Load exceeds maximum capacity.	Immediately remove excess weight.
Remote control not working.	Dead or incorrectly installed batteries; obstruction.	Check AAA battery polarity. Replace with new batteries. Ensure clear line of sight to scale.
Display is dim or flickering.	Low battery power.	Replace AA batteries in the scale.

9. SPECIFICATIONS

Feature	Detail
Model	OCS-S-1T
Maximum Capacity	2200 lbs (1000 kg)
Readout Accuracy	+/- 0.2 kg
Display Type	LCD with Backlight
Power Source (Scale)	3 x AA 1.5V Batteries
Power Source (Remote)	2 x AAA 1.5V Batteries
Material	Aluminum (case), Stainless Steel (shackle), Alloy Steel (hook)
Special Features	Remote Control, Unit Conversion (lb/kg), Tare, Zero, Overload Warning, Automatic Battery Voltage Display

Feature	Detail
Recommended Uses	Shipping, Food Processing, Mining, Batching Operations, Molding Industries, Testing Facilities, Garage, Farm, Hunting

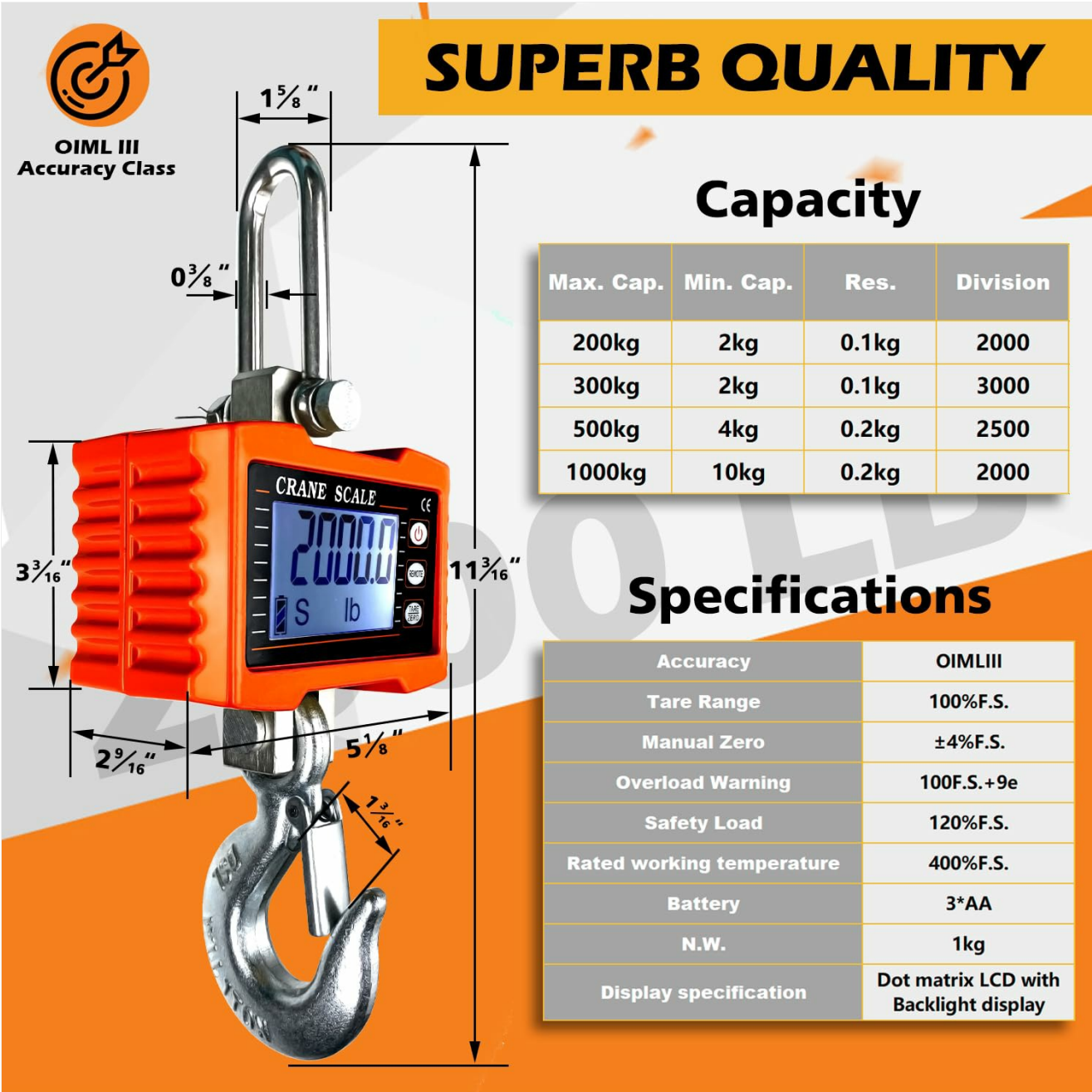


Figure 6: Detailed specifications and capacity chart for the crane scale.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact YATOINTO customer service directly. Keep your purchase receipt as proof of purchase.