

RL101

Below-the-Hook Scale

Quick Reference Guide



Introduction

This document briefly describes several aspects of the RL101 below-the-hook scale (RL101 scale): battery preparation, preliminary tasks and tips.



Manuals are available from Rice Lake Weighing Systems at

www.ricelake.com/manuals

Warranty information is available at www.ricelake.com/warranties

The RL101 scale is shipped pre-assembled with shackles in a hard case.



NOTE: Retain shipping packaging in case of warranty claim.

Safety Warnings



IMPORTANT: Review safety, warning, operation and configuration information in RL101 Operation (PN 220243) and Technical manuals (220242) before operating the RL101 scale.



WARNING: Read manuals prior to the system installation to understand configuration and calibration.



WARNING: Do not exceed weight capacity listed on scale.



WARNING: Never move the sample (load) with scale inline. The RL101 scale is a lift and weigh device designed to capture static weighments.



WARNING: Ensure lifting device is capable of lifting RL101 scale and load without exceeding the weight limit.

Battery Preparation

RL101 Scale Batteries

The RL101 scale comes with four AA batteries installed. A battery discharge guard must be removed to use the scale.

1. Position the RL101 scale with the back facing up.
2. Press the two retention tabs on the battery tray while pulling away to remove from the RL101 scale.
3. Remove the battery discharge guard and discard.
4. Ensure batteries are inserted in tray with correct polarity (illustrated in battery tray).
5. Reinsert battery tray into scale ensuring it securely locks into place.



Figure 1. RL101 Scale with Battery Discharge Guard

Remote Control Battery

The remote control uses one CR2025 battery installed in a detachable battery tray. To insert the battery:

1. Position the remote control with back facing up.
2. Push retention tab toward the remote control center while pulling the tray away from the remote.
3. Insert the CR2025 battery while adhering to the polarity illustrated on the remote control.
4. Reinsert battery into remote control ensuring it locks into place.



Figure 2. Remote Control Battery Tray



NOTE: Remote control does not power RL101 Scale on.

Preliminary Tasks

Before initial use:

- Read safety and operation information in the RL101 Operator manual (220243).
- Tighten nuts on shackles.
- Ensure cotter pins in shackles are secure.

Tips

Best Practices

- The RL101 Scale arrives calibrated from the factory. To recalibrate, only use certified test weights.
- Power on electronics before installation to ensure basic functionality.

Troubleshooting

- Consult system schematic for wiring and check connections.
- Ensure proper grounding of all components.
- If experiencing communication errors:
 - Evaluate RF distance and antenna locations.
 - Locate sources of competing radio transmissions. For example, crane remotes, Wi-Fi/Bluetooth® devices and other RF weighing systems.
- Record all RL101 scale IDs and serial numbers before contacting customer support.



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230 W. Coleman St. • Rice Lake, WI 54868 • USA USA: 800-472-6703 • International: +1-715-234-9171