

# RS-130

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*Price Computing Retail Scale  
Version 1.0*

## Operation Manual





# Contents

<b>About This Manual .....</b>	<b>1</b>
<b>1.0 Introduction.....</b>	<b>1</b>
1.1 Start-up Self Check .....	1
1.2 Power Supply .....	1
1.3 Battery Recharging .....	1
1.4 Setting the Auto-Off Feature .....	1
<b>2.0 Operation.....</b>	<b>2</b>
2.1 RS-130 Keypad.....	2
2.2 Display Windows and Annunciators .....	3
2.3 Error Messages .....	3
<b>RS-130 Limited Warranty.....</b>	<b>4</b>



# About This Manual

This manual contains operating procedures for the RS-130 retail scale and provides you with all the information necessary for set up and operation.

This manual is organized based on the procedures you will likely follow when setting up and using your retail scale.

When using this manual, front panel keys are shown in **BOLD** characters.



Authorized distributors and their employees can view or download this manual from the Rice Lake Weighing Systems retail distributor site at [www.ricelakeretail.com](http://www.ricelakeretail.com).

## 1.0 Introduction

The RS-130 retail scale offers practical solutions for a full range of point-of-sale weighing and price computing applications. Its compact design makes it easy to transport and the customer display on the rear of the RS-130 offers extra convenience.

Standard features of the RS-130 include:

- NTEP-certified Legal-For-Trade
- Customer display on rear of unit
- Operates on 110 VAC or 6V internal battery
- Configurable for lb, kg or oz
- Calculates customer change

### 1.1 Start-up Self Check

When you turn on the scale with the ON/OFF switch, which is located on the bottom of the scale, the main program provides the following display check. The display turns on and shows the total capacity in the **WEIGHT** display. Counts from 1 to 9 in each display window, displays the total capacity in the **WEIGHT** display again, and displays 0.00 for operation.

### 1.2 Power Supply

The RS-130 can use power supplied by either a plug-in 110 VAC or the internal sealed lead-acid rechargeable battery with a life expectancy of five years under normal use.

- AC - 110V/60Hz  $\pm 10\%$ .
- DC - 6V / 25mA; P=0.2W (max) 4Ah
- If AC power is available, use the supplied power cord.

### 1.3 Battery Recharging

The battery has 100+ hours of use before it needs recharging. When the battery is low, the **TOTAL \$** display shows -LO- and there is a continuous beep. Press the **CLEAR** key to remove -LO- and end the beep. After the initial warning of low battery, the scale has approximately two to three hours of battery life left. Every 30 minutes a beep sounds and **TOTAL \$** display shows -LO-. If the battery is not charged, the **TOTAL \$** display shows -OFF- and the scale beeps continuously. Turn the scale off and recharge the battery. Allow eight to ten hours to fully charge. Table 1-1 describes the meaning of the Charge LED colors.

LED Color	Description
Red	Initial connection
Orange	Charging
Green	Fully-charged


Table 1-1. Battery Charge LED's

### 1.4 Setting the Auto-Off Feature

**NOTE:** Work inside scale enclosure not required.

1. Turn on the scale and press and hold the **CHANGE** key until 6.3 (version) shows in the **WEIGHT** display (approximately three seconds).
2. Press and hold the **ZERO** key until the **WEIGHT** display shows **SETUP** (approx. three seconds).
3. Press the 3 key, **WEIGHT** display shows **USUAL**.
4. Press the 2 key to enter the Auto-Off mode. **WEIGHT** display shows -30- (minutes).
5. Use the **CLEAR** key to select -30-, -15-, -5-, -OFF-.
6. Press the **CHANGE** key to confirm setting. Scale will automatically restart.

## 2.0 Operation

The following section describes the front panel keys, annunciators, and display functions (displayed in Figure 2-1 on page 3) of the RS-130. Key functions are described in Table 2-1 below. To turn on the scale, toggle the On/Off switch  located on the bottom of the scale.

### 2.1 RS-130 Keypad

Key	Function/Description
<b>M1 - M8</b>	8 direct PLU's for saving different unit prices or figures. For example: to save 7.50 in the <b>M8</b> setting, 1. Key in 750 2. Press and hold the <b>M8</b> key until the scale beeps (approximately three seconds) <ul style="list-style-type: none"><li>• Every time you press the <b>M8</b> key the <b>UNIT PRICE \$</b> display shows 7.50</li><li>• To change the setting of one of the memory keys, follow the steps above.</li></ul>
<b>PLU</b>	Set up to 89 different indirect PLU's. (10-99 allowed) 1. Key in the unit price 2. Press the <b>PLU</b> key once 3. Enter the first digit of the PLU number, when entering the second digit hold the button until the scale beeps (approximately three seconds) <ul style="list-style-type: none"><li>• The PLU is displayed in the <b>WEIGHT</b> display</li><li>• To recall a PLU, press <b>PLU</b> and enter the number you want to recall.</li><li>• To change the PLU settings, key in the new unit price and follow steps 2 - 3</li></ul>
<b>UNIT</b>	This key selects the unit of measure (kg, lb or oz) in weighing mode. 1. Press the <b>UNIT</b> key, <b>WEIGHT</b> display shows <i>ch9</i> - 2. Press: 1 to select kg, 2 to select lb or 3 to select oz. (default is lb) <ul style="list-style-type: none"><li>• The annunciator will flash above the selected unit of measure in the <b>UNIT PRICE \$</b> display.</li></ul>
<b>TARE</b>	Acquire the net weight value of the object being weighed. 1. Place the package or container on the platter, the weight appears on the <b>WEIGHT</b> display. 2. Press the <b>TARE</b> key, the <b>WEIGHT</b> display returns to zero. A cursor appears above NET in the <b>WEIGHT</b> display.
<b>CHANGE</b>	Compute the amount of change to be given back to a customer for their purchase. For example: when <b>TOTAL \$</b> shows <i>15.00</i> and you receive \$20.00 from the customer; Press the <b>CHANGE</b> key and enter <i>2000</i> . The <b>UNIT PRICE \$</b> display shows <i>C 5.00</i> (change due). The <b>TOTAL \$</b> display shows <i>20.00</i> (cash received).
<b>ZERO</b>	Resets gross weight to zero.
<b>CLEAR</b>	Press the <b>CLEAR</b> key to erase the figure shown in the <b>UNIT PRICE \$</b> display.
<b>.</b>	Sets the decimal point.
<b>0 - 9 Numeric Keys</b>	Enter the numeric value required. <ul style="list-style-type: none"><li>• Use the numeric keys to enter the price-per-unit, PLU number, cash received</li></ul> Press and hold the 0 key to show the battery voltage in the <b>WEIGHT</b> display. <ul style="list-style-type: none"><li>• <i>6.1 - 6.5</i> means the battery is fully-charged.</li><li>• Less than <i>5.6</i> means the battery is in low-charge.</li><li>• Press the <b>CLEAR</b> key to return the display to normal operating mode.</li></ul>

Table 2-1. Function Keys

## 2.2 Display Windows and Annunciators

Display Window	Description
<b>WEIGHT</b>	Displays the weight of the object on the platter
<b>UNIT PRICE \$</b>	Displays the unit price of the object on the platter
<b>TOTAL \$</b>	Displays the total amount owed (weight multiplied by unit price)

Table 2-2. Display Windows

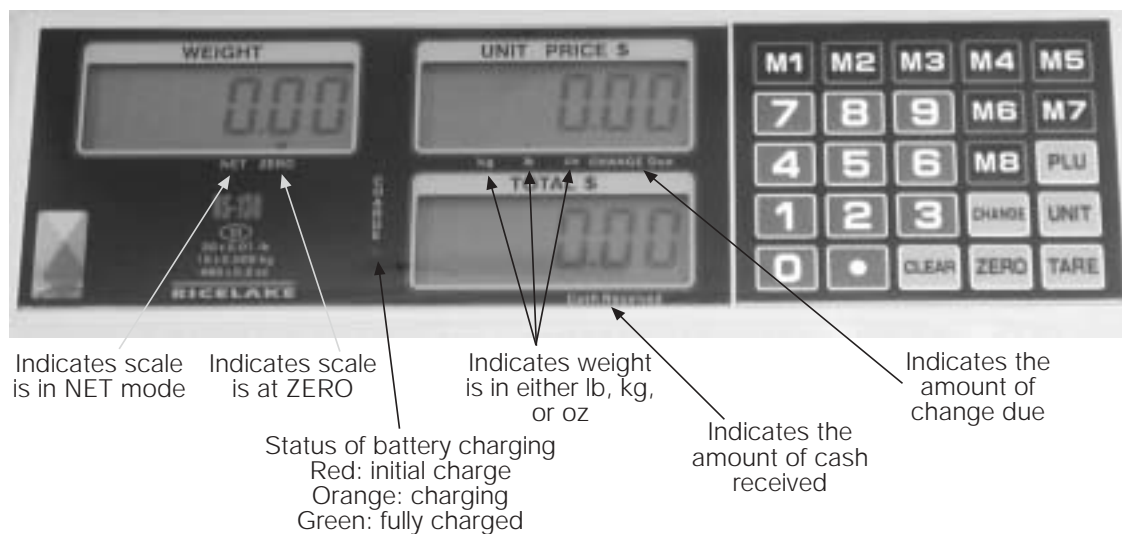


Figure 2-1. Front Display Annunciators

## 2.3 Error Messages

Table 2-3 describes error messages that may be shown on the RS-130 display.

Display	Description	Corrective Action
<b>WEIGHT</b> display shows "Err-1"	IC93C66 data-loss or IC93C66 damaged/faulty	Contact your nearest RLWS dealer
<b>WEIGHT</b> display shows "Err-3"	At power-up, the weight on the platter is more than 5% of the maximum capacity	Remove the weight from the scale, or to under 5% of capacity and restart the scale
<b>TOTAL \$</b> display shows "E"	The total price value is larger than 9999.99	Remove the measured object from the platter and press <b>CLEAR</b> to clear the unit price setting

Table 2-3. Error Messages and Troubleshooting

## RS-130 Limited Warranty

Rice Lake Weighing Systems (RLWS) warrants that all RLWS equipment and systems properly installed by a Distributor or Original Equipment Manufacturer (OEM) will operate per written specifications as confirmed by the Distributor/OEM and accepted by RLWS. All systems and components are warranted against defects in materials and workmanship for one year.

RLWS warrants that the equipment sold hereunder will conform to the current written specifications authorized by RLWS. RLWS warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, RLWS will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

- Upon discovery by Buyer of such nonconformity, RLWS will be given prompt written notice with a detailed explanation of the alleged deficiencies.
- Individual electronic components returned to RLWS for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in a publication, "Protecting Your Components From Static Damage in Shipment," available from RLWS Equipment Return Department.
- Examination of such equipment by RLWS confirms that the nonconformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair or improper testing; RLWS shall be the sole judge of all alleged non-conformities.
- Such equipment has not been modified, altered, or changed by any person other than RLWS or its duly authorized repair agent.
- RLWS will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping charges both ways.
- In no event will RLWS be responsible for travel time or on-location repairs, including assembly or disassembly of equipment, nor for repairs made by others.

**THESE WARRANTIES EXCLUDE ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER RLWS NOR DISTRIBUTOR WILL, IN ANY EVENT, BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

**RLWS AND BUYER AGREE THAT RLWS'S SOLE AND EXCLUSIVE LIABILITY HEREUNDER IS LIMITED TO REPAIR OR REPLACEMENT OF SUCH GOODS. IN ACCEPTING THIS WARRANTY, THE BUYER WAIVES ANY AND ALL OTHER CLAIMS TO WARRANTY.**

**SHOULD THE SELLER BE OTHER THAN RLWS, THE BUYER AGREES TO LOOK ONLY TO THE SELLER FOR WARRANTY CLAIMS.**

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of RLWS and the Buyer.

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