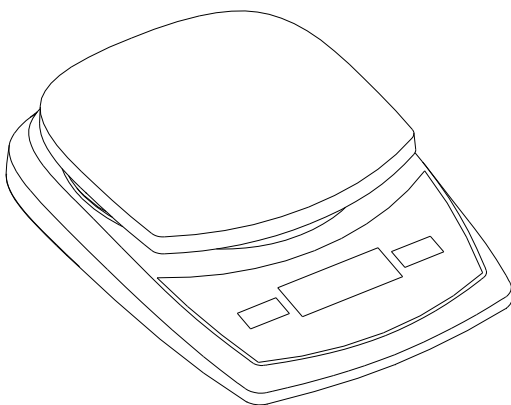




# Compass™ CR Series Instruction Manual

**MODEL NO.**

**CR221  
CR621  
CR2200  
CR5200**



## 1. INTRODUCTION

This manual contains installation and operation instructions for the Compass™ CR Series Scales. Please read the manual completely before using the scale.

### 1.1 Safety Precautions


Please follow these safety precautions:


- Verify that the AC Adapter input voltage matches the local AC power supply.
- Use the scale only in dry locations.
- For best results, use the scale in the specified optimum operating temperature.
- Do not operate the scale in hostile or unstable environments.
- Use your scale with care, gently loading items to be weighed onto the center of the pan. Avoiding rough treatment will aid in the life of your scale.
- Indoor use
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

### 1.2. General Product Features

- **Power Up test:** When the scale is turned on, all display segments will be displayed for a few seconds, indicating that the unit is self adjusting to zero. Once the “0” is displayed, the scale is ready for use.
- **Stable Reading indication:** A star indicator will appear in the lower left corner of the display when a stable reading has been reached.
- **Overload:** If the applied load exceeds the capacity of the scale, an “E” will appear on the display and the load should be removed immediately. The scale will return to normal operation.
- **Tare Function:** Values can progressively be added to a sample. By

pressing the  button, the scale display returns to zero. After adding

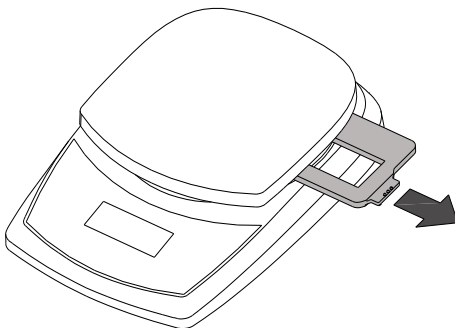
additional mass, press  to zero the scale again. Additional mass may be added up to the capacity of the scale.

- **Negative Value:** When a load is removed from the scale, any zeroed value will be displayed as a negative number. To return to normal operation, the zeroed value can be cancelled by pressing  button.
- **Low Battery Indication:** The display will show “Lb” when the batteries are weak and need to be replaced.
- **Auto Shut-Off:** To extend battery life, the scale will automatically turn off after approximately (4) minutes if no active weighing is occurring. This feature is active with battery operation only.

## 2. INSTALLATION

### 2.1 Transportation Protection (0.1g model only)

Remove the plastic transportation protective insert for use. Save the plastic insert to ensure safe transport.



### 2.2 Power

Power the scale using the AC power adapter (not included) or 3 AA batteries.

#### Battery Installation

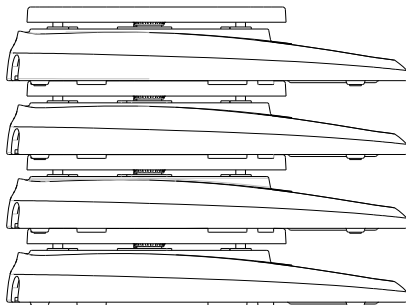
Remove the battery cover on the bottom of the scale and place the 3 “AA” size batteries into the compartment as indicated. Do not use excessive force or press the weighing pan. Re insert the battery cover.

#### AC Power Connection

Connect the AC adapter (not included) to the receptacle at the rear of the scale. Plug the AC adapter into a properly grounded electrical outlet.



The scale base allows for the efficient stacking of one scale on top of another.

**Note:** do not stack more than 4 scales on top of each other.



### 3. OPERATION

#### 3.1 Two Button Keypad

- : Pressing this button turns on the scale. This same button operates the zero feature when the scale is on. Press and hold this button for three seconds to turn the scale off.
- : Press this button briefly to change the weighing unit. Press and hold this button to begin the calibration process.

## 5. TECHNICAL DATA

### 5.1 Specifications

TABLE 5-1. SPECIFICATIONS.

Model	CR221	CR621	CR2200	CR5200
Capacity (g)	220	620	2200	5200
Readability (g)	0.1	0.1	1	1
Repeatability (Std. Dev.) (g)	0.1	0.1	1	1
Linearity (g)	0.1	0.1	1	1
Span Calibration Mass	200 g	500 g	1 kg	2 kg
Stabilization Time (s)	2	2	2	2
Construction	ABS housing & pan			
Calibration	User-selectable external span / Digital with external weight			
Tare Range	Full capacity by subtraction			
Weighing Units**	g, oz, ozt, dwt, lb:oz, tael (3)			
Application Modes	Weighing			
Power Requirement	3 AA batteries (included) or AC adapter (not included)			
Typical Battery Life	300 hours			
Operation Temperature Range	5°C (41°F) to 40°C (104°F) at 10% to 80% relative humidity, non-condensing			
Specified Temperature Range	18°C (64°F) to 25°C (77°F) at 10% to 80% relative humidity, non-condensing			
Storage Conditions	-20°C (-4°F) to 55°C (131°F) at 10% to 90% relative humidity, non-condensing			
Display Type	Liquid crystal display (LCD)			
Display Size	15 mm / 0.6 in digits			
Pan Size (W x D)	5 x 5.2 in / 125 x 132 mm			
Balance Dimensions (W x D x H)	5.5 x 8.1 x 1.6 in / 140 x 205 x 41 mm			
Shipping Dimensions (W x D x H)	6.7 x 9.3 x 2.2 in / 170 x 235 x 55 mm			
Net Weight	0.4 kg / 0.9 lb			
Shipping Weight	0.6 kg / 1.3 lb			

\*\* Availability is dependent on model and region.