



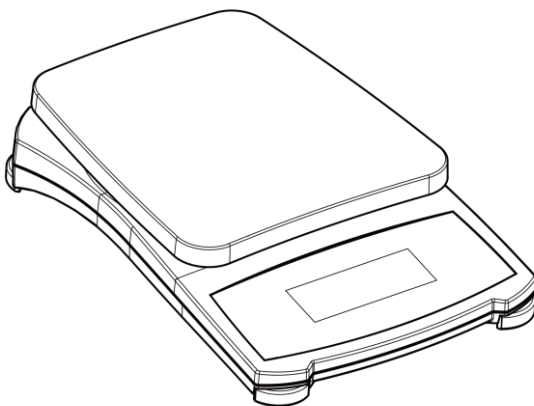
## Compass™ CX Series Instruction Manual



99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431



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## 1. INTRODUCTION

This manual contains installation and operation instructions for the Compass™ CX 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

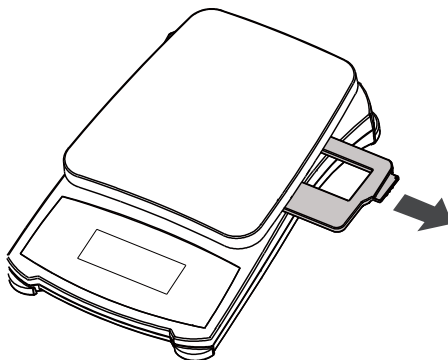
additional mass, press  to zero the scale again. Additional mass may be added up to the capacity of the scale.

- **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 “” 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

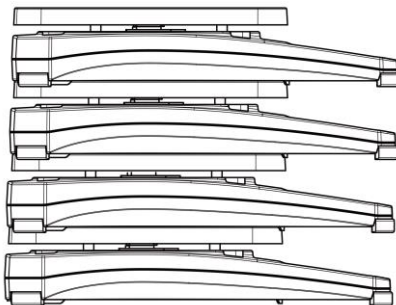
Remove the battery cover on the bottom of the scale and place the 3 “AA” size batteries into the compartment as indicated. Do not use excessive force or press the weighing pan. Re insert the battery cover.

#### 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 that 4 scales on top of each other.



### 3. OPERATION





#### 3.1 Two Button Keypad

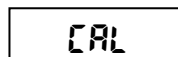
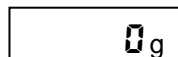
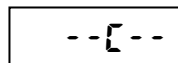
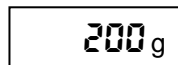
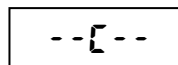
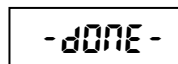
- : Pressing this button turns on the scale. This same button operates the zero feature when the scale is on. Press and hold this button for three seconds to turn the scale off.
- : Press this button briefly to change the weighing unit. Press and hold this button to enter user menu.

#### 3.2 Calibration

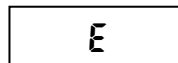
For best results calibrate the scale at regular intervals. This is especially important if the scale is in use for prolonged periods.


Calibration weights are not provided with the scale.

- Press and hold the  button until **MENU** is displayed. Release the button, first menu **CAL** will be displayed.
- Press  to start span calibration.
- The display shows **0**. With no weight on the pan, press the  button to establish the zero point. The display shows **--C--** while the scale stores the zero load signal.
- The display shows the span calibration point, for example, **200g**. Place the specified calibration weight on the pan and press the  button. The display shows **--C--** while the scale stores the calibration point signal.
- The display shows **-DONE-** and returns to the normal weighing mode.

The message **E** will appear if the calibration steps are not followed or the wrong weight was used.





The calibration process can be aborted by pressing .

### 3.3 Backlight

Press and hold the  button until **PLIGHT** is displayed. Release the button, first menu **CAL** will be displayed.





#### b.Auto Menu

- When **CAL** is displayed, press  to move to next menu **b.Auto**.
- Press  to set the backlight to auto mode and return to current weighing mode. The scale will turn on the backlight automatically with any button operation and weighing operation.





#### b.ON Menu

- When **b.Auto** is displayed, press  to move to next menu **b.ON**.
- Press  to set the backlight always on and return to current weighing mode.





#### b.OFF Menu

- When **b.ON** is displayed, press  to move to next menu **b.OFF**.
- Press  to set the backlight always off and return to current weighing mode.



#### End Menu

- When **b.OFF** is displayed, press  to move to next menu **End**. Press  to return to current weighing mode.



## 4. SERVICE INFORMATION

If the troubleshooting section does not resolve your problem, contact an Authorized OHAUS Service Agent. Please visit our website [www.ohaus.com](http://www.ohaus.com) to locate the OHAUS office nearest you.

## 5. TECHNICAL DATA

### 5.1 Specifications



TABLE 5-1. SPECIFICATIONS.


| Model                           | CX221  | CX621 | CX1201 | CX2200 | CX5200 |
|---------------------------------|--|-------|--------|--------|--------|
| Capacity (g)                    | 220  | 620   | 1200   | 2200   | 5200   |
| Readability (g)                 | 0.1  | 0.1   | 0.1    | 1      | 1      |
| Repeatability (Std. Dev.) (g)   | 0.1  | 0.1   | 0.2    | 1      | 1      |
| Linearity (g)                   | 0.1  | 0.1   | 0.2    | 1      | 1      |
| Span Calibration Mass           | 200 g  | 500 g | 1 kg   | 1 kg   | 2 kg   |
| Stabilization Time (s)          | 1.5  | 1.5   | 2      | 1.5    | 1.5    |
| Construction                    | ABS housing & stainless steel pan  |       |        |        |        |
| Calibration                     | User-selectable external span / Digital with external weight                 |       |        |        |        |
| Tare Range                      | Full capacity by subtraction   |       |        |        |        |
| Weighing Units*                 | g, N, oz, lb:oz  |       |        |        |        |
| Application Modes               | Weighing   |       |        |        |        |
| Power Requirement               | 3 AA batteries (included) or AC adapter (not included)                       |       |        |        |        |
| Typical Battery Life            | 1,000 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) with backlight                                  |       |        |        |        |
| Display Size                    | 0.71 in / 18 mm digits   |       |        |        |        |
| Pan Size (W x D)                | 5 x 5.6 in / 128 x 142 mm  |       |        |        |        |
| Balance Dimensions (W x D x H)  | 5.3 x 7.9 x 1.6 in / 135 x 201 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                      | 1.1 lb / 0.5 kg  |       |        |        |        |
| Shipping Weight                 | 1.5 lb / 0.7 kg  |       |        |        |        |

\* Availability is dependent on model and region.

## 5.2 Compliance

Compliance to the following standards is indicated by the corresponding mark on the product.

| Mark  | Standard   |
|---|--|
|  | This product complies with the applicable harmonized standards of EU Directives 2011/65/EU (RoHS), 2014/30/EU (EMC) and 2014/35/EU (LVD). The EU Declaration of Conformity is available online at <a href="http://www.ohaus.com/ce">www.ohaus.com/ce</a> . |
|  | EN 61326-1   |

|   |  |
|---|--|
|  | <p><b>Disposal</b></p> <p>In conformance with the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) this device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements.</p> <p>Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment. If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.</p> <p>Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related. Thank you for your contribution to environmental protection.</p> <p>For disposal instructions in Europe, refer to <a href="http://www.ohaus.com/weee">www.ohaus.com/weee</a>.</p> |
|---|--|

## FCC Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



**Industry Canada Note**

This Class B digital apparatus complies with Canadian ICES-003.

**ISO 9001 Registration**

The management system governing the production of this product is ISO 9001 certified.

## **LIMITED WARRANTY**

OHAUS products are warranted against defects in materials and workmanship from the date of delivery through the duration of the warranty period. During the warranty period OHAUS will repair, or, at its option, replace any component(s) that proves to be defective at no charge, provided that the product is returned, freight prepaid, to OHAUS.

This warranty does not apply if the product has been damaged by accident or misuse, exposed to radioactive or corrosive materials, has foreign material penetrating to the inside of the product, or as a result of service or modification by other than OHAUS. In lieu of a properly returned warranty registration card, the warranty period shall begin on the date of shipment to the authorized dealer. No other express or implied warranty is given by OHAUS Corporation. OHAUS Corporation shall not be liable for any consequential damages.

As warranty legislation differs from state to state and country to country, please contact OHAUS or your local OHAUS dealer for further details.



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