



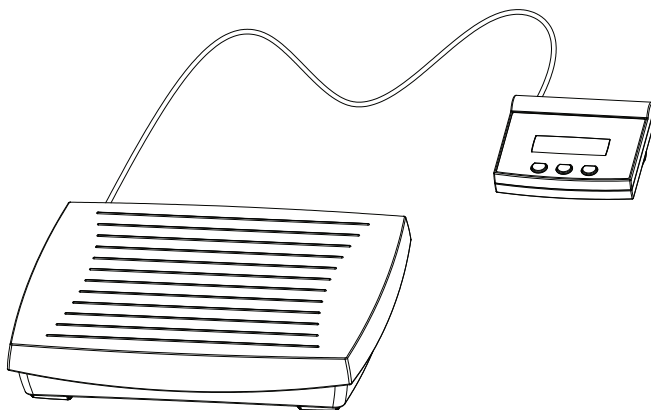
## Digital Shipping & Receiving Scale

220 pounds/100 kilograms  
by pounds:ounces and kilograms

### Kitchen Measurement Tools

#### Features

- Programmable preset unit
- Tare function
- Extendable display
- Selectable units
- Overload indication
- Battery status indication
- On & off buttons
- Auto-off after 4 minutes; disabled when the power adapter is used
- Platform Size: 12.06 L x 11 W x 1.30 H (in)/  
30.64 L x 27.94 W x 3.30 H (cm)
- Extendable Display: 4.92 L x 4.52 W x 1.96 H (in)/  
12.50 L x 11.50 W x 5.00 H (cm)
- Resolution: 2 oz, 50 g
- Power Adapter: 100 mA-250 mA 50/60 Hz input,  
9V DC (500mA) output (included)
- 9V IEC 6LR61 alkaline battery (included)



**Note:** Clean the scale before each use.

**Important: DO NOT IMMERSE IN LIQUID.**

**Note:** In the following instructions, names of the control buttons are shown in CAPS. Function information that appears on the display is shown in **BOLD CAPS**.

#### Remove Stabilizing Screw

Before using the scale, remove the red stabilizing screw on the bottom of the scale by turning it counterclockwise. Before transporting the scale, replace the stabilizing screw back in by turning it clockwise into the screw hole.

#### Battery Installation

Replace battery when LCD becomes dim. **Lo** appears on the display for 2 seconds before turning off when the batteries need to be replaced.

1. Power off the unit before installing the battery.
2. Remove battery cover on the bottom of the display by pressing the latch toward the battery cover and lifting up.
3. Install one 9V IEC 6LR61 alkaline battery observing polarity shown in compartment.
4. Replace the battery cover until it clicks shut.

#### Power Adapter

Before using the external power adapter, make sure that the printed voltage complies with the local voltage.

**Note:** Use only an original CDN power adapter (AD-AC3302). The use of other adapter is subject to approval by CDN.

1. Insert the adapter plug into the jack in the rear of the display.
2. To turn the scale on, press the ON/TARE button as described in *Section A: On/Off*. The scale will remain on until turned off.

**Note:** When the power adapter is plugged in, the auto-off feature is disabled.

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# Operating Instructions

Place the scale gently on a hard and flat surface and make sure it is steady before use to obtain accurate measurements.

## A. On/Off

1. Press the ON/TARE button to turn on. The display flashes ---- and then returns to zero.  
The + symbol indicates positive measurements.
2. Press the OFF button to turn off.

## B. Auto-Off

The scale automatically turns off after 4 minutes of inactivity when the AC adapter is not plugged in.

**Note:** Auto-off is disabled when the AC adapter is used.

## C. Unit Selection

1. Press the UNIT button to select the desired unit.  
The display cycles an arrow through **kg**, **lb:oz** and **preset**.

## D. Weighing Mode

1. Press the ON/TARE button to turn on. The display flashes ---- and then returns to zero.
2. Place an item on the scale platform.  
The weight of the item appears on the display within 1 second after the item is stable.
3. Press the OFF button to turn off.  
**Note:** The scale automatically turns off after 4 minutes of inactivity when the AC adapter is not plugged in.

## E. Tare

The tare function resets the scale display to zero in order to measure only the weight of an item. It is frequently used to subtract the weight of containers.

1. When the scale is on, place a container on the platform.
2. Press the ON/TARE button to reset the display to zero. The display flashes **t** and then returns to zero.
3. Place the item into the container or directly on the scale platform. The weight of only the last item added will appear on the display.
4. Continue to repeat steps 2. and 3. to measure the respective weights of additional items.
5. To clear the tare, remove all items from the platform and press the ON/TARE button.  
The display resets to zero.

## F. Preset Mode

The preset unit is a programmable unit that serves as a point of comparison for subsequent weights that need to match the preset unit or a percentage thereof. It is frequently used in packing and shipping applications.

1. Press the UNIT button to select preset.
  - a. If it is the first time being used since a battery was installed, - appears on the display.
  - b. If the preset unit was saved before, **0.00** appears on the display.
2. Place the item with the reference weight on the scale platform.  
**Note:** The minimum weight for the preset unit is 5kg. **E** appears on the display when the item with the reference weight is below the minimum weight. Please place an item with the weight over the minimum weight to continue.
3. Press and hold the ON/TARE button until the arrow blinks.
4. Immediately press the ON/TARE button again to confirm the preset unit. The display shows **1.00**.  
The preset unit has been set.  
**Note:** This preset unit will be held in memory until changed or the removal of the battery.
5. To change the preset unit, repeat steps 1. through 4.
6. To compare other items, place an item on the scale platform. The percentage as compared to the preset unit appears on the display.  
**For example:** **0.85** appears on the display when an item that weighs 85% of the total preset unit weight is weighed. **1.30** appears on the display when an item that weighs 130% of the total preset unit weight is weighed.

## G. Field Calibration

1. Press and hold the ON/TARE and OFF buttons simultaneously, while installing the battery or plugging in the AC adapter, until all segments are displayed.
  2. Release both buttons. The display returns to zero.
  3. Press the OFF button. The display shows **50.00**.
  4. Place a 50 kg calibration weight on the scale.  
The scale performs internal calculations and then the display shows **100.00**.
  5. Place a 100 kg calibration weight on the scale.  
The scale performs internal calculations.
  6. **PASS** appears on the display if the calibration is successful. Then the scale automatically turns off. The scale has been calibrated and is ready for use.
  7. **FAIL** appears on the display if the calibration is not successful. Then the scale automatically turns off. Return to step 1. and try the calibration again. calibration continually fails, please contact CDN for further assistance.
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## H. Battery Status

**Lo:** replace battery with one 9V IEC 6LR61 alkaline cell. The scale turns off automatically after 2 seconds.

## I. Error Messages

1. **EEEE** indicates an overload error when the item being measured exceeds the capacity of the scale. Immediately remove the overweight item to avoid causing permanent damage to your scale. The scale turns off automatically after 2 seconds.
2. **E** appears on the display when the item with the reference weight for the preset unit is below the minimum weight of 5 kg. Please place an item with the weight over the minimum weight to continue.
3. **Err** indicates an initialization problem. The scale turns off automatically after 2 seconds. Turn on the scale again. If the problem persists, please contact CDN.

**Note:** Clean the scale platform before each use.

**Note:** Replacement AC adapter available.

## Usage Guidelines

- Scales are precision instruments and must be handled with extreme care.
- Battery technology works best at room temperature.
- Place the scale gently on a hard and flat surface and make sure it is steady before use.
- The maximum capacity of the scale is 220 lb/100 kg, which is the capacity before using the tare function.
- Do not place overweight items on the scale.
- Store the scale in a position that keeps it free from any load bearing weight. Storing the scale with pressure on the load cells can distort the weight measurements over time.
- Hold the scale from the bottom when moving.

## Care of Your Product

- Do not submerge any part of the scale in water.
- Wipe clean with a damp cloth.
- Store the scale at room temperature between 32 to 104°F/0 to 40°C.

## Precautions

- Keep the scale, AC adapter and/or battery away from children.
- Do not clean the scale with abrasive or corrosive compounds, which may scratch the surface and corrode the electronic circuits.
- Do not subject the scale to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and/or distorted parts.
- Do not tamper with the scale's internal components. Doing so will invalidate the warranty and may cause unnecessary battery damage and/or distorted parts.
- Do not subject the scale to excessive exposure to direct sunlight.
- **The unit is not waterproof** — do not immerse it in any liquid, which will result in faulty measurements.
- To avoid deformation, do not place the unit in extreme temperatures.
- Always read the user manual thoroughly before operating.

## Specifications

<b>Measurement Range</b>	220 lb/100 kg
<b>Unit of Measure</b>	kg/lb:oz
<b>Resolution</b>	2 oz, 50 g
<b>Operating Range</b>	32°F~104°F/0°C~40°C/≤90% RH
<b>Accuracy</b>	40kg ±0.35kg; 100kg ±0.7kg
<b>Power Supply</b>	One 9V IEC 6LR61 alkaline battery; power adapter: 100-240 VAC 50/60Hz input, 9V DC (500mA) output
<b>Platform Dimensions</b>	12.06 L x 11 W (in) / 30.64 L x 27.94 W (cm)
<b>Product Dimensions</b>	Scale: 12.06 L x 11 W x 2.48 H (in) / 30.64 L x 27.94 W x 6.30 H (cm); Extendable Display: 4.92 L x 4.52 W x 1.96 H (in) / 12.50 L x 11.50 W x 5.00 H (cm)
<b>Weight</b>	16.5 lb / 7.5 kg (including battery)
<b>Replacement Parts</b>	Power adapter (AD-AC3302)

**Note:** This device could be sensitive to electrostatic discharge. If electrostatic discharge or malfunctioning occurs, please re-install the battery to reset this unit.

The information in this document has been reviewed and is believed to be accurate. However, neither the manufacturer nor its affiliates assume any responsibility for inaccuracies, errors or omissions that may be contained herein. In no event will the manufacturer or its affiliates be liable for direct, indirect, special, incidental or consequential damages arisen by using this product or resulting from any defect/omission in this document, even if advised of the possibility of such damages. The manufacturer and its affiliates reserve the right to make improvements or changes to this document and the products and services described at any time, without notice or obligation.



**1-Year Limited Warranty:** Any instrument that proves to be defective in material or workmanship (excluding batteries) within one year of original purchase will be repaired or replaced without charge upon receipt of the unit prepaid at: CDN, PO Box 10947, Portland, OR 97296-0947 USA. This warranty does not cover damage in shipment or failure caused by failure to adhere to the accompanying instructions, inadequate maintenance, normal wear and tear, tampering, accident, misuse, unauthorized modification, obvious carelessness or abuse. CDN shall not be liable for any consequential or incidental damages whatsoever.



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