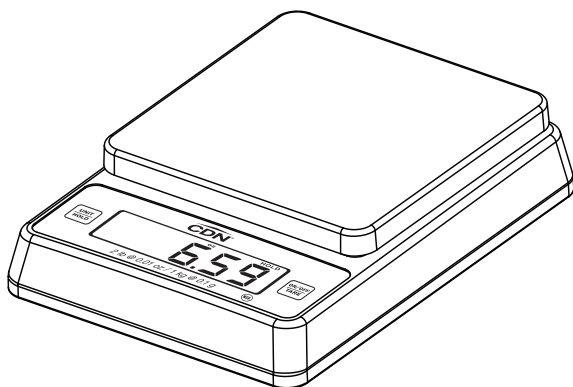# CDN®
Measurement Tools

DIGITAL HIGH PRECISION SCALE
2 POUNDS/1 KILOGRAM by pounds:ounces and kilograms.grams

FOR PRECISE & GENERAL WEIGHING

- Precise to 0.01 oz/0.1 g
- NSF® Certified
- Small profile
- Tare function
- Hold mode
- Field calibration
- Removable stainless steel platform
- Selectable units
- Overload indication
- Battery status indication
- On/off button
- Auto-off after 2 minutes; disabled when the AC adapter is used
- Food-safe ABS plastic with BioCote®
- **Platform Size:**
  5.35 W x 5.35 L (in)/13.6 W x 13.6 L (cm), removable
- **Resolution:** 0.01 oz, 0.1 g
- **Product Dimensions:**
  5.90 W x 1.75 H x 7.87 D (inches)/
  15.0 W x 4.45 H x 20.0 D (cm)
- **AC Adapter:**
  100-240VAC 50/60Hz input, 9V DC (500mA) output, included
- Two AAA alkaline batteries (WERCSmart) 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**.

BATTERY INSTALLATION

Replace battery when LCD becomes dim. **bAtt** 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 batteries.
2. Remove battery cover on the bottom by pressing the latch toward the battery cover and lifting up.
3. Install two AAA alkaline batteries 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 another adapter is subject to approval by CDN.
1. Insert the adapter plug into the jack in the rear of the scale.
2. To turn the scale on, press the ON/OFF 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.

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/OFF button to turn on. The display flashes **–––** and then returns to zero.
2. Press and hold the ON/OFF button for 2 seconds to turn off.

B. Auto Off
The scale automatically turns off after 2 minutes of inactivity when the AC adapter is not plugged in.
Note: Auto-off is disabled when the AC adapter is used.

Pro**Accurate**® NSF® BioCote

certified WBENC
WOMEN'S BUSINESS ENTERPRISE

C. Unit Selection

1. Press the UNIT button to select the desired unit. The display switches between **lb:oz** and **kg.g**.
2. **oz** appears on the display when the weight is less than 1 lb. Otherwise, both **lb** and **oz** appear on the display.
3. **g** appears on the display when the weight is less than 1 kg. Otherwise, **kg** appears on the display.

D. Hold Mode

1. Press and hold the HOLD button for 2 seconds. **HOLD** flashes on the display for 15 seconds to allow enough time to place an item on the scale.
   Note: If no item is placed on the scale, the scale will exit Hold Mode and return to Weighing Mode.
2. When the item is placed on the scale, the item's weight and **HOLD** appear on the display for 15 seconds.
3. When the hold time is over, the scale exits Hold Mode automatically and returns to Weighing Mode.
   Note: During Hold Mode all buttons are locked.

E. Weighing Mode

1. Press the ON/OFF 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.
   Note: The minimum measurable weight is 0.02 oz/0.5 g.

F. 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 TARE button to reset the display to zero. The display flashes **–––** 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 TARE button. The display is reset to zero.

G. Field Calibration

1. When scale is off, press and hold the ON/OFF button until **–––** is displayed.
2. Press the UNIT button 3 times within two seconds.
3. Press and hold the UNIT button until **0** appears on the display. The 5-digit internal code value then appears on the display.
4. Press the UNIT button again. The software version and then **1000.0 g** appears on the display.
   Note: To change the calibration units to grams or pounds,

press the UNIT button. 1 kg (WT01) calibration weights are available from CDN.

5. Put a 1 kg calibration weight in the center of the platform. The display becomes blank briefly and then **PASS** appears on the display for 3 seconds if the calibration is successful. The scale has been calibrated and is ready for use.

H. Battery Status

bAtt: replace battery with two AAA alkaline cells. The scale turns off automatically after 2 seconds.

I. Error Messages

1. **EEEE** indicates an overload 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. **Err2** 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. The stainless steel removable platform is dishwasher safe; the removable plastic platform base is not dishwasher safe.

Note: Replacement removable platform, AC adapter and 1 kg calibration weights available.

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

USAGE GUIDELINES

- Scales are precision instruments and must be handled with extreme care.
- Battery technology works best at room temperature. **Do not leave the scale in cold rooms, refrigerators or freezers for extended periods of time.**
- Place the scale gently on a hard and flat surface and make sure it is steady before use.
- The minimum capacity of the scale is 0.02 oz/0.5 g.
- The maximum capacity of the scale is 2 lb/1 kg, which is the capacity before using the tare function.
- Do not place overweight items on the scale.
- Do not place hot items directly on the scale platform. They can distort the display. Rather, tare a baking sheet at room temperature and then place the hot item on it.
- 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 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

Measurement Range	2 lb/1 kg
Unit of Measure	lb:oz, kg.g
Resolution	0.01 oz, 0.1 g
Operating Range	32°F~104°F/0°C~40°C ≤90% RH
Water Resilience	IP54 – dust protected & splashing of water
Accuracy	500 g ±1.5 g; 1000 g ±3 g
Power Supply	Two AAA alkaline batteries (WERCSmart); AC Adapter: 100-240VAC 50/60Hz input, 9V DC (500mA) output
Platform Dimensions	5.35 W x 5.35 L (in)/13.6 W x 13.6 L (cm), removable
Product Dimensions	7.87 W x 1.75 H x 5.90 D (inches)/ 20.0 W x 4.45 H x 15.0 D (cm)
Weight	18.5 oz / 524 g (including battery)
Accessories	Removable stainless steel platform (AD-PF0502), power adapter (AD-AC3302), 1 kg calibration weight (WT01)

BioCote®

Antimicrobial properties are built-in to inhibit the growth of bacteria that may affect this product. According to EPA guidelines we cannot claim that the antimicrobial properties in this product protect users or others against bacteria, viruses, germs, or other disease organisms. This product does not protect users or others against food-borne bacteria. Always clean and wash this product thoroughly before and after each use.

For more detailed information on our products, please visit CDNmeasurement.com or call 800-338-5594.