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› **AccuWeight** /

› AccuWeight Gram Scale with 1000g/0.1g High Precision Mini Coffee Jewelry Scale with 6 Measuring Units, Backlit Display, and Tare, Calibration, and Count by Piece Functions

AccuWeight Accuweight-255B

AccuWeight Gram Scale User Manual

Model: Accuweight-255B | Brand: AccuWeight

1. INTRODUCTION

Thank you for choosing the AccuWeight Gram Scale. This high-precision digital scale is designed for accurate measurements of various small items, including coffee, jewelry, and other delicate materials. Its compact size and multiple functions make it an indispensable tool for both professional and personal use. Please read this manual thoroughly before operation to ensure proper use and maintenance.



Figure 1: AccuWeight Gram Scale with protective cover and included batteries.

2. KEY FEATURES

- **High Precision:** Accuracy of +/- 0.03% for items from 0.2 g to 1,000 g.
- **Tare Function:** Quickly calculate the net weight of loose materials by subtracting container weight.
- **Count by Piece (PCS):** Determine the number of individual pieces for small items like coins or beads.
- **Multiple Weighing Units:** Choose from 6 units: g (grams), ct (carats), dwt (pennyweights), ozt (troy ounces), oz (ounces), gn (grains).
- **Backlit LCD Display:** Ensures clear readability in various lighting conditions.
- **Calibration Function:** Allows for recalibration to maintain accuracy over time.
- **Easy to Use:** Intuitive button layout for straightforward operation.
- **Pocket-Size Design:** Compact and lightweight for easy portability and storage.
- **Protective Cover:** Doubles as a weighing tray for convenience.
- **Auto Shut-off:** 90-second auto shut-off feature to conserve battery life.

KEY FUNCTIONS

- **Backlight Display Screen**



- ▶ Count up the items by **PIECES**
- ▶ **6 UNITS** conversion: ct/gn/ozt/dwt/oz/g
- ▶ Turn the scale **ON/OFF** (90s auto-off)
- ▶ **TARE** subtracts the container weight subtracts the container weight

Figure 2: Overview of the scale's key functions.

3. SETUP

3.1 Unpacking

Carefully remove all components from the packaging. Ensure you have the scale unit, protective cover/weighing tray, and two AAA batteries. Inspect the scale for any signs of damage during transit.



Figure 3: Package contents.

3.2 Battery Installation

1. Locate the battery compartment on the underside of the scale.
2. Slide open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

3.3 Placement

Place the scale on a hard, flat, and stable surface. Uneven surfaces can affect accuracy. Avoid placing the scale near strong electromagnetic fields, extreme temperatures, or vibrations.

4. OPERATION

4.1 Basic Weighing (On/Off & Tare)

1. Press the **ON/OFF** button to turn on the scale. The display will show "88888" and then "0.0g".
2. If using a container, place it on the weighing platform before pressing the **TARE** button. The display will reset to

"0.0g", effectively subtracting the container's weight.

3. Place the item(s) to be weighed onto the platform or into the tared container. The weight will be displayed.
4. To turn off the scale, press and hold the **ON/OFF** button for a few seconds. The scale will also automatically shut off after 90 seconds of inactivity to conserve battery life.

4.2 Unit Conversion

While the scale is on, press the **UNIT** button repeatedly to cycle through the available weighing units: grams (g), carats (ct), pennyweights (dwt), troy ounces (ozt), ounces (oz), and grains (gn).



Figure 4: Examples of unit conversions on the display.

4.3 Piece Counting (PCS)

This function allows you to count multiple pieces of an item based on a sample quantity.

1. Turn on the scale and ensure it reads "0.0g".
2. Press and hold the **PCS** button until "25" appears on the display.
3. Press the **UNIT** button to select a sample quantity (25, 50, 75, or 100 pieces).
4. Place the exact number of sample pieces (e.g., 25 pieces) onto the weighing platform.
5. Press the **PCS** button again to confirm the sample. The display will show the sample quantity.
6. You can now add more pieces of the same item, and the scale will count them.
7. To exit counting mode, press the **PCS** button.



Figure 5: Piece counting in action.

5. CALIBRATION

Calibration ensures the accuracy of your scale over time. A 1000g calibration weight (not included) is required for this process.

1. Turn the scale on.
2. Press and hold the **UNIT** key until the display shows "CAL".
3. Press the **UNIT** key again. The display will show "1000.0g".
4. Place a 1000g calibration weight on the center of the weighing platform.
5. Wait for the display to show "PASS". This indicates successful calibration.
6. Remove the calibration weight. The scale is now ready for use.

CALIBRATION



STEP1:
Turn the scale on, press and hold "UNIT" key till the display shows "CAL"

STEP2:
Press "UNIT" key again, display shows "1000.0g"

STEP3:
Place 1000g calibration weight on the platform

STEP4:
Display shows "PASS"

NOTE : 1000g calibration weight is NOT included

Figure 6: Step-by-step calibration guide.

6. MAINTENANCE

6.1 Cleaning

To clean the scale, wipe it with a soft, damp cloth. Do not use abrasive cleaners or immerse the scale in water. Ensure the scale is completely dry before storage or next use.

6.2 Storage

Store the scale in a cool, dry place. The protective cover should be placed over the weighing platform to prevent dust and damage. Remove batteries if the scale will not be used for an extended period.



Figure 7: Scale's compact size for easy storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Inaccurate readings	Unstable surface; Overload; Needs calibration	Place on flat, stable surface; Do not exceed 1000g; Perform calibration
"O-Ld" displayed	Overload (weight exceeds capacity)	Remove excess weight immediately to prevent damage
"Lo" displayed	Low battery power	Replace batteries
Display is dim or flickering	Low battery power	Replace batteries

8. SPECIFICATIONS

Feature	Detail
Brand	AccuWeight
Model Number	Accuweight-255B
Color	Black
Weight Limit	1000 Grams (1kg)
Readout Accuracy	0.1g
Minimum Weight	0.2g
Measuring Units	g, ct, dwt, ozt, oz, gn
Display Type	LCD with Backlight
Power Source	2 AAA batteries (included)
Product Dimensions	3.74 x 2.44 x 0.83 inches
Item Weight	5 ounces
Material	Stainless Steel (platform)
Special Feature	Tare, Count by Piece, Calibration

9. ADDITIONAL VISUAL AIDS

LARGE WEIGHING RANGE

Minimum Weight: 0.2g

Maximum Weight: 1000g



Figure 8: Large weighing range for various items.



Figure 9: Backlit display for clear visibility.



Figure 10: Protective cover doubles as a weighing tray.

10. OFFICIAL PRODUCT VIDEOS

There are no official seller-provided videos available for this product at this time.

11. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the contact information provided in your product packaging or visit the official AccuWeight website. A digital version of the user manual is also available for download via the following link: [AccuWeight User Manual \(PDF\)](#).