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AMERICAN WEIGH SCALES AC-100

American Weigh Scales AC-100 Digital Pocket Scale User Manual

Brand: AMERICAN WEIGH SCALES | **Model:** AC-100

Product Overview

The American Weigh Scales AC-100 is a compact digital pocket scale designed for precise measurements. It features a durable stainless steel weighing platform and a clear backlit LCD display, making it suitable for various applications requiring high accuracy.



Image: The AC-100 digital pocket scale with a stainless steel platform, displaying a weight of 3.04 grams for several small blue gems.

Key Features:

- Compact design, similar in size to a cellphone, for easy portability.
- Durable construction with a flip cover and stainless steel components.
- High accuracy, measuring to 0.01g, with a maximum capacity of 100g.
- Versatile for weighing small quantities of various items like spices, tea, or other ingredients.
- Backlit LCD display for clear readability in different lighting conditions.

Setup

1. **Unpacking:** Carefully remove the scale from its packaging. Inspect for any damage.
2. **Battery Installation:**
   The AC-100 scale requires 2 AAA batteries (included). Open the battery compartment located on the underside of the scale. Insert the batteries, ensuring correct polarity (+/-). Close the battery compartment securely.



Image: The AC-100 scale with its clear protective cover, which can also serve as a weighing tray.

3. **Placement:** Place the scale on a flat, stable, and vibration-free surface to ensure accurate readings. Avoid placing it near electronic devices that may cause interference.
4. **Initial Power On:** Press the **POWER** button to turn on the scale. The display will show "88888" and then "0.00g" (or the last used unit) when ready.

Operating Instructions

1. **Power On/Off:** Press the **POWER** button to turn the scale on. Press and hold the **POWER** button for a few seconds to turn it off. The scale also features an auto-off function after 60 seconds of inactivity to conserve battery life.
2. **Changing Weighing Units:** Press the **MODE (M)** button to cycle through the available weighing units: grams (g), ounces (oz), carats (ct), grains (gn), and pennyweights (dwt).
3. **Tare Function:** The Tare function allows you to subtract the weight of a container, so you only measure the contents.
    - Place an empty container on the weighing platform.
    - Wait for the display to stabilize.
    - Press the **TARE (T)** button. The display will reset to "0.00g".
    - Add the items you wish to weigh into the container. The display will show only the net weight of the items.
4. **Weighing Items:**
    - Ensure the scale is on and displaying "0.00g".
    - Gently place the item(s) to be weighed onto the center of the stainless steel platform.
    - Read the stable weight displayed on the LCD screen.



Image: The scale accurately weighing coffee grounds, demonstrating its precision for small items.

Maintenance

- **Cleaning:** Wipe the scale with a slightly damp cloth. Do not immerse the scale in water or use abrasive cleaners.

Keep the stainless steel platform clean to ensure accurate readings.

- **Storage:** Store the scale in a clean, dry environment. Use the protective flip cover to prevent dust and damage to the weighing platform.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display or when the scale fails to power on.
- **Handling:** Handle the scale with care. Avoid dropping it or subjecting it to strong impacts, as this can affect its accuracy.

Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AAA batteries.
Inaccurate or unstable readings.	Unstable surface, air currents, scale not tared, overload.	Place on a flat, stable surface. Avoid drafts. Use Tare function. Do not exceed maximum capacity.
"O-Ld" or "EEEE" displayed.	Overload error.	Remove the item immediately. Do not exceed the scale's maximum capacity (100g).
Auto-off too quickly.	Default auto-off setting.	The scale is designed to turn off after 60 seconds of inactivity to save battery. This setting is not adjustable.

Specifications

- **Model:** AC-100
- **Capacity:** 100g
- **Readability:** 0.01g
- **Weighing Units:** g, oz, ct, gn, dwt
- **Power:** 2 x AAA Batteries (included)
- **Display:** Backlit LCD
- **Platform Material:** Stainless Steel
- **Product Dimensions:** 4.5 x 2.5 x 0.75 inches
- **Item Weight:** 0.14 Pounds (approx. 63.5g)
- **Auto-Off:** 60 seconds of inactivity

Warranty

The American Weigh Scales AC-100 Digital Pocket Scale is backed by a **10 Year Limited Warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official American Weigh Scales website or contact customer support.

Support

For further assistance, technical support, or to inquire about replacement parts, please contact American Weigh Scales customer service. You can find contact information and additional resources on their official website:

Visit the AMERICAN WEIGH SCALES Store

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