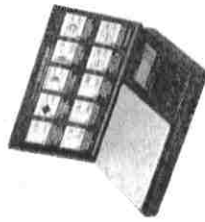




AWS-Series User Manual



- Thank you for purchasing the American Weigh AWS-Series digital pocket scale. Please read all operating instructions carefully before use. Scales are precision measuring devices and should always be handled with proper care. To ensure years of reliable service, keep these simple tips in mind: Do not exceed the scale's maximum capacity. This scale has integrated overload protection, but any overload protection has its limits!
- Avoid exposure to extreme heat or cold. Scales perform best at normal room temperature. If temperatures have changed dramatically, recalibration may be necessary. Do not attempt without the proper calibration weight.
 - Allow your scale to warm up for 30-60 seconds before performing calibration (if available).
 - Store your scale in a clean, dry location. Dust, dirt, and moisture can accumulate on the weighing sensors and electronics causing inaccuracy or malfunction.
 - Avoid using your device in close proximity to strong radio wave emitting devices such as cordless phones. Always weigh on a flat and level surface, free from vibrations and drafts. The corner of a room is usually the most stable.
 - Gently apply all items to be weighed. Do not drop items onto the weighing platform.
 - Avoid dropping your scale. The warranty does not cover damage due to rough treatment or overload.
 - Check the batteries first if you are having any trouble with your scale. This simple step can remedy most scale issues.
 - For best accuracy, calibration should be checked and adjusted occasionally as part of routine scale maintenance.

- AWS-70 (70x0.01g)
- AWS-100 (100x0.01g)
- AWS-100-CAL (100x0.01g)
- AWS-200-CAL (200x0.01g)
- AWS-201 (200gx0.01g)
- AWS-220 (220gx0.01g)
- AWS-250 (250x0.1g)
- AWS-600 (600x0.1g)
- AWS-750 (750x0.1g)
- AWS-1200 (1200x0.1g)
- AWS-1KG (1000gx0.1g)

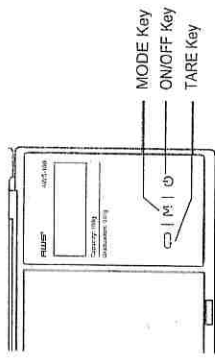
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I. Part List

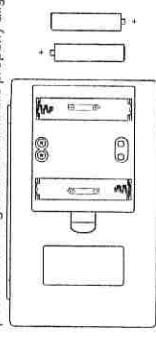
1. Scale
2. Cover/Expansion Tray
3. AAA Batteries (x2)

II. Key Description



III. Battery Installation

1. Before using the scale for the first time, check the battery compartment and remove any plastic insulation strips or packaging that may be in place to prevent battery drainage during shipping/storage.
2. If you are replacing the batteries, make sure the positive and negative contacts are properly aligned.



- ## IV. Operation
1. Place the scale on a flat, level surface and press the ON/OFF key to turn the scale on.
 2. Once the start-up process completes and the scale goes to zero you are ready to weigh.
 3. Place the quantity to be weighed onto the weighing platform.
 4. Wait a couple seconds for the display to stabilize before taking a weight reading.
 5. To turn the scale OFF, press and hold the ON/OFF key. The scale also has an auto-off feature and will automatically turn off after 180 seconds of non-use.

V. Changing the Unit of Measure

1. Press the **MODE** key to change the scales displayed unit of measure.
2. If the scale is turned off then back on, it will default to the last unit used.
 - 0.1g Version Units: g (gram) > oz (ounce) > oz (troy ounce) > dwt (pennyweight)
 - 0.01g Version Units: g (gram) > oz (ounce) > ct (carat) > gn (grain)

VI. Using the Tare Feature

You can use this scale's tare feature to subtract the weight of an empty container or vessel for net weight determination. NOTE: The weight of the container will subtract from the available capacity.

1. Place the empty container or vessel on the weighing platform.
2. Press the **TARE** key once. The display will then reset to zero. If the container is removed, it's weight will be displayed as a negative number.
3. You may now fill the container with the quantity to be weighed. The display will show the net weight of the contents.

AWS-Series

AWS-Series

4. To return to normal weight display (gross weight), remove any items from the weighing platform and press the **TARE** key again to re-zero the scale.

VII. Calibration

Calibration and adjustment are performed at the factory. However, the weighing range can shift slightly during shipping. Also, due to changes in local acceleration of gravity around the world, adjustment is recommended when moving the scale from one location to another. To check calibration:

1. Place the required calibration weight on the scale and note the displayed value.
2. If the displayed value is not within acceptable tolerance (see chart below), adjustment is required.

Model	Acceptable Tolerance (±)	Calibration Weight	Recommended Accuracy Class
AWS-70	0.02g	50g	OIML M2
AWS-100	0.02g	100g	OIML M2
AWS-100-CAL	0.02g	100g	OIML M2
AWS-201	0.02g	2 x 100g	OIML M2
AWS-200-CAL	0.2g	200g	OIML M2
AWS-250	0.2g	200g	OIML M2
AWS-600	0.2g	500g	OIML M2
AWS-1KG	0.2g	500g	OIML M2
AWS-220	0.02g	200g	OIML M2
AWS-750	0.02g	200g	OIML M2

2. LO Batteries are low. Replace the batteries.

3. UNST - Scale is unstable. Use in a more stable position.

XI. Specifications

	AWS-70	AWS-100 / AWS-100-CAL	AWS-201 / AWS-200-CAL
Max. Capacity	70g	100g	200g
Readability	0.01g	0.01g	0.01g
	AWS-600	AWS-250	AWS-1KG
Max. Capacity	600g	250g	1000g
Readability	0.1g	0.1g	0.1g
	AWS-220	AWS-750	AWS-1200
Max. Capacity	200g	750g	1200g
Readability	0.1g	0.1g	0.1g

VIII. Adjustment

1. Prepare the required weight for your scale. (See chart on back)
2. Find a flat and level surface to perform calibration, and let the scale adjust to room temperature.
3. Press **[LO]** to turn the scale on and wait for the scale to stabilize.
4. Press and hold the **[M]** key until the display shows "CAL", then flash the required calibration weight. 5. Place the required calibration weight on the center of the platform.
6. The display will show "PASS" then return to normal weighing mode. You may now turn the scale off or continue weighing.

IX. Troubleshooting

- **Problem:** Scale will not turn on
• **Solution:** Check the batteries
- **Problem:** Displayed weight fluctuates randomly
• **Solution:** Make sure your workspace is stable and free of any air currents or vibration
- **Problem:** Displayed weight is inaccurate
• **Solution:** Perform a calibration adjustment

X. Error Codes

1. O-ld - Maximum capacity exceeded. Remove the extra weight to avoid damaging the load cell.

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Made In China to our exact specifications and quality control.