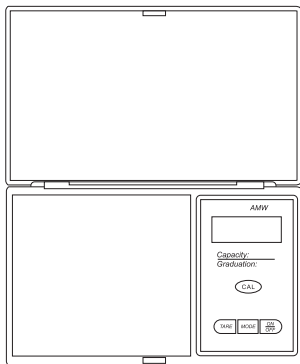




American Weigh Scales, Inc.

# **AMW Series**

**Digital Pocket Scale**



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- AMW-50**
  - AMW-100**
  - AMW-250**
  - AMW-350**
  - AMW-500**

## *User Manual*

## AMW Series Manual

Thank you for purchasing the American Weigh AMW-Series digital scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service. Never load the scale with more than the maximum capacity. Overloading will permanently damage it! Avoid any exposure to extreme heat or cold. Your scale works better when operated at normal room temperature. Always allow the scale to acclimatize to normal room temperature for at least one hour before use.

Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.

Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and a close distance to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.

Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor.

Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and must be handled with extreme care.

**Only operate the scale on a stable, vibration free surface.**

## I. OPERATION

Place Scale on a horizontal flat surface.

1. Press [ON/OFF] key.
2. Wait until "0.0" is displayed.
3. Put the object(s) on the weighing platform.
4. Using the [MODE] key, you can switch between the weighing units.

## II. TARE WEIGHING

1. Turn on scale as described above.
2. Place the "tare item" on the platform.
3. Press [TARE] and wait until "0.0" is displayed.
4. Add the "net-weight-item".

## III. CALIBRATION

Calibration is NOT required before first use. Only calibrate if scale is not weighing properly.

**\*\*Make sure you use the correct calibration weight for your scale or the calibration will not be accurate\*\***

<b>AMW-50:</b>	<b>50g calibration weight</b>
<b>AMW-100:</b>	<b>100g calibration weight</b>
<b>AMW-250:</b>	<b>200g calibration weight</b>
<b>AMW-350:</b>	<b>300g calibration weight</b>
<b>AMW-500:</b>	<b>500g calibration weight</b>

### **Calibration Procedures for AMW-250/350/500**

- 1, Turn OFF the scale, press and hold the [CAL] key and then press [ON/OFF] shortly. After 1-2 seconds, the scale will display a random number. Now release the [CAL] key.
- 2, Wait 2 seconds and press [ON/OFF] key again shortly.
- 3, The LCD display will read "Zero" followed by the amount of

weight required to calibrate (listed above).

4. Place the required calibration weight on the platform (ie. AMW-250 place a 200g on the scale)
5. Press [ON/OFF] again. The LCD display reads "CAL", then "PASS".
6. Remove the weight and press [ON/OFF] to turn off the scale. Finished! Repeat if needed.

### **Calibration Procedures for AMW-50**

1. Turn OFF the scale.
2. Press [ON/OFF] shortly. Then immediately press and hold [MODE] until "CAL" is displayed. Release the [MODE] key.
3. Press [MODE] again. Now the display will show "CAL" and "50.00" will flash 3 times.
4. Place a 50g weight on the center of platform. Wait 3-4 seconds. The LCD display will read "PASS", then "50.00".
5. Remove the weight and press [ON/OFF] to turn off the scale. Finished! Repeat if needed.

### **Calibration Procedures for AMW-100**

1. Turn on the scale by pressing [ON/OFF] key.
2. Wait until the LCD displays "0.00" and then press and HOLD the [MODE] key for 3 seconds, the LCD will display "CAL" then release the [MODE] key.
3. Press the [MODE] key again, the LCD will display "CAL" and then "100.00"
4. Add a 100g calibration weight, the display will show "PASS" and return to normal weighing mode.
5. Put away the calibration weight and press [ON/OFF] to turn of the scale and the calibration is finished!

*Please check the availability of weights at the store you bought your scale from.*

#### **IV. TROUBLESHOOTING**

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. This scale is a precise instrument and must be handled with the utmost care and caution.

**[Display]** Elimination of errors

**Nothing, Battery-Symbol, [lo] or [88888]**

Change the batteries.

**[OUE2]** Recalibrate the scale as shown above.

**[EEEEEE]** You are overloading the scale. Remove the excessive load immediately!

**[LLLLL]** The delicate weighing load cells have been damaged by misusing the scale (i.e. it was shocked, dropped or overloaded). You can try recalibrating the scale. If the load cell has not been damaged too much it will work again after recalibration.

**[UNST]** Use the scale in a more stable position

# Specifications

Model	AMW-250	AMW-350	AMW-500	AMW-50	AMW-100
Capacity	250g 8.82oz 8.54ozt 160.8dwt	350g 12.35oz 11.25ozt 225.1dwt	500g 17.64oz 16.08 ozt 321.5dwt	50g 1.764oz 250ct 771.5gn	100g 3.528oz 500ct 1543 gn
Resolution	0.1g / 0.005oz / 0.005ozt / 0.1dwt			0.01g 0.001oz 0.05ct 0.2gn	0.01g 0.001oz 0.05ct 0.2gn
Backlight	•	•	•	•	•
Calibration Weight (not Included)	200g	300g	500g	50g	100g
Platform Dimensions (inches)	2.5 x 3 Stainless Steel				
Scale Dimensions (inches)	5 x 3 x 0.75				
Power	2 x AAA Batteries (included)				
Gross Weight	0.36 lb	0.43 lb	0.36 lb	0.36 lb	0.36 lb