

AWS

American Weigh Scales

PK-110

User Manual



**PK-110 (0-44lb x 0.05lb /
44-110lb x 0.1lb)**

PK-110 Manual

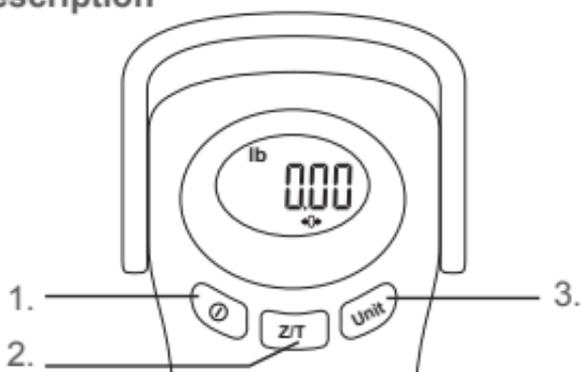
Thank you for purchasing the American Weigh PK-110 multi-use hanging scale. Please read all operating instructions carefully before use. Scales are precision measuring devices and should always be handled with proper care. To ensure years of reliable service, keep these simple tips in mind:

- Do not exceed the scale's maximum capacity.
- 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 scale in close proximity to strong radio wave emitting devices such as cordless phones.
- When weighing heavy items, use proper lifting technique to avoid back injury.
- Do not drop items onto the weighing hook. This may cause damage to the load sensor.
- 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.
- Calibration should be checked and adjusted occasionally as part of routine scale maintenance.

I. Part List

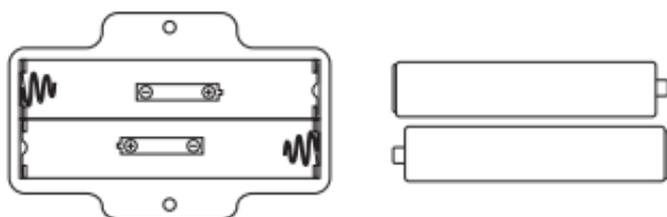
1. Scale
2. AAA Batteries (x2)

II. Key Description



1. **ON/OFF** - Turns the scale on or off.
2. **Zero/Tare Key** - Re-zeros the scale. Used to remove the weight of a tray or container.
3. **Unit Key** - Tap to change the displayed unit of measure. Hold to enter calibration (see IX).

III. Battery Installation



Proper Battery Installation

Low batteries can cause inaccuracy in digital scales. If you are experiencing issues with your scale, first try new batteries. Most times, this will solve the problem.

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. 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 hook.
4. Wait a couple seconds for the display to stabilize before taking a weight reading.
5. To turn the scale OFF, press the **ON/OFF** key again.

V. Hold Settings

This scale has three different hold settings. Follow these instructions to change the hold setting:

1. With the scale OFF, press and hold the **Z/T** key, then tap the **ON/OFF** (ⓘ) key. Release both keys when you see "-----" on the display.
2. Tapping the **Unit** key will cycle through the three hold settings:

Auto

Auto Hold: Weight reading is held on the display after stabilization. This allows you to read the weight even after removing the item from the weighing hook. "Hold" will display underneath the weight when locked.

PEAK

Peak Hold: Highest weight reading is held on the display. This mode can be used to measure a bow's draw weight or for other force measuring applications. "Hold " will display underneath the weight when locked.

H OFF

Hold Disabled: Weight is no longer held on the display.

3. Press the **ON/OFF** (①) key to confirm your selection and turn the scale off.

VI. Changing the Unit of Measure

1. Press the **Unit** 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.
 - **PK-110 Units:** lb (pound) ► oz (ounce) ► kg (kilogram)

VII. Using the Tare Feature

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

1. Place the empty container or vessel on the weighing hook.
2. Press the **Z/T** key once. The display will then reset to zero. If the container is removed, its 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.
4. To return to normal weight display (gross weight), remove any items from the weighing hook and press the **Z/T** key again to re-zero the scale.

VIII. Calibration

Initial calibration is performed at the factory. However, calibration may need to be checked and adjusted in some rare cases, or after heavy usage. 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 (\pm) | Calibration Weight | Recommended Accuracy Class |
|--------|--------------------------------|--------------------|----------------------------|
| PK-110 | 60g | 20kg | OIML M2 |

IX. Adjustment

1. Press and hold the **Unit** key until the display shows "CAL" followed by a random number (ISN).
2. Make sure nothing is on the weighing hook then press the **Z/T** key.
3. The display will flash "20.00kg". Place exactly

20.00kg on the weighing hook, and press Z/T when the weight has steadied.

4. The display will flash "PASS" then return to normal weighing mode. Adjustment is complete!

X. Troubleshooting

- **Problem:** Scale will not turn on
- **Solution:** Check the batteries and battery contacts.

- **Problem:** Displayed weight fluctuates randomly
- **Solution:** Make sure to hold the device as still as possible or hang it from a fixed point. In some cases, nearby radio wave emitting devices can cause fluctuations.

- **Problem:** Displayed weight is inaccurate
- **Solution:** Perform a calibration adjustment. If you are still having trouble, contact our warranty department.

XI. Error Codes

1. **OUTZ** - Zero point has drifted out of the acceptable range. Try to perform a calibration adjustment. If the problem persists, the load cell may be permanently damaged due to overloading.
2. **EEEE** - Overload. The maximum capacity has been exceeded. Remove the extra weight to avoid permanently damaging the load cell.
3.  - Batteries are low. Replace the batteries.

XII. Specifications

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| | PK-110 | |
|-----------------|-------------------------------|----------|
| Max. Capacity | 0-44lb | 44-110lb |
| Readability | 0.05lb | 0.1lb |
| Min. Weight | 100g / 0.2lb | |
| Power | 2 x 1.5V "AAA" Alkaline | |
| Dimensions | 4.8 x 3.5 x 1.0 in. | |
| Hook Dimensions | Gap: 0.8 in / Throat: 1.0 in. | |
| Warranty | 10 Year Limited Warranty | |

XIII. Capacity/Readability Chart

| Dual Range | |
|-----------------|------------------|
| Range1: 0-44lb | Range2: 44-110lb |
| 0-44lb x 0.05lb | 44-110lb x 0.1lb |
| 0-20kg x 0.02kg | 20-50kg x 0.05kg |
| 0-705oz x 1oz | 705-1762oz x 2oz |

American Weigh Scales, Inc.

Norcross, GA 30092

Made In China to our exact specifications and quality control.