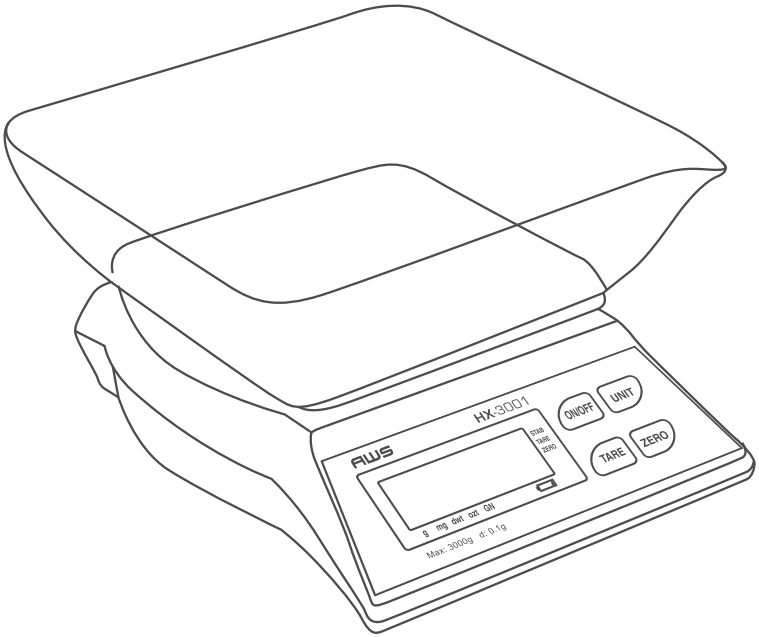
HX-Series



HX-502 (500g x 0.01g)
HX-3001 (3000g x 0.1g

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SAFETY

To avoid damage to the device or personal injury, please read all operating instructions carefully before use.

⚠ Don't use the scale under dangerous working conditions.

⚠ Verify that the required input voltage on the power adapter matches your locally supplied AC power.

⚠ Turn off and unplug the scale when cleaning or if the scale will not be used for more than one week.

⚠ Turn off and unplug the scale before connection with other equipment.

⚠ Strong magnetic fields and static electricity can have an adverse effect on the scale's accuracy.

⚠ The scale should not be used in hazard areas that have an explosion risk.

SERVICE

– Use only authorized parts and accessories. We are not responsible for any modifications made to the device.

– Breaking the tamper evident seal inside the scale base will void the warranty.

– For warranty service, contact AWS at 1-866-643-3444. There is a One Year Limited Warranty starting from the date of purchase.

1. UNPACKING

– After unpacking the scale, please check to make sure there is no visible damage. Notify the delivery company of any damages in shipping as soon as possible.

– Please keep the original box and packaging to store the scale when not in use or to send in for service.

2. PACKING LIST

Model No.	Scale Base	Platform Sub-assembly	Stainless Steel Shroud	Clear Plastic Bowl	AC-Adapter	Operating Manual
HX-502	1pc	1pc	1pc	1pc	1pc	1pc
HX-3001	1pc	1pc	1pc	1pc	1pc	1pc

INSTALLATION

When selecting a location to use the scale, keep these tips in mind:

⚠ Do not use the scale close to air vents or other sources of drafts such as doors or windows.

⚠ Do not expose the scale to extreme heat or cold. Keep the scale away from direct sunlight which may cause it to heat up. Large temperature fluctuations may require recalibration of the scale.

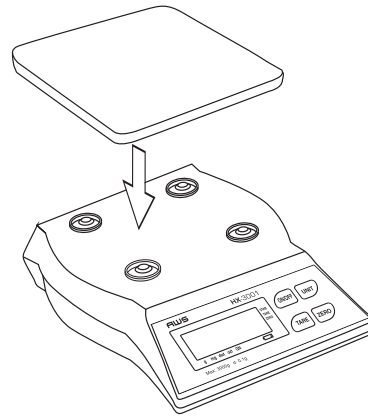
⚠ Avoid dust, dirt, and moisture which may accumulate on the weighing sensors and cause a malfunction.

3. TEMPERATURE CHANGES

When moving the scale from a high temperature environment to a low temperature environment (or vice versa), please allow the scale to acclimatize to its new surroundings for two hours before using. Also, allow sufficient warm-up time after plugging in the scale. For warm-up times, refer to the specifications chart on page 9.

4. SCALE ASSEMBLY

– Place the scale platform sub-assembly onto the rubber mounting posts and press down gently to position it.



5. KEY EXPLANATION

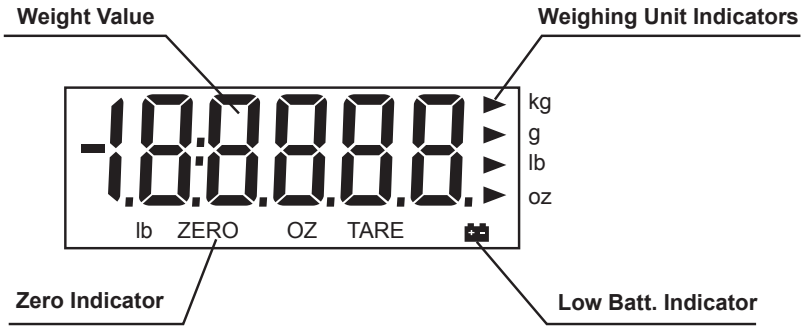
Power Key	
ON/OFF	Turn the scale on or off.

Unit Key	
UNIT	Change the displayed weighing unit.

Zero Key	
ZERO	Remove any items from the weighing platform then press to Zero the scale.

Tare Key	
TARE	Tares the scale. Use this to subtract the weight of an empty container.

6. DISPLAY EXPLANATION



7. BASIC WEIGHING FUNCTIONS

Preparation

– Turn the scale on: Press (ON/OFF) Key.

Warm up time:

⚠ To ensure proper operation, allow the scale to warm up according to the warm-up times listed in the chart below:

Model	Warm-up Time
HX-Series	60 seconds

INSTANCE

Basic Weighing (after warming up)

Action	*Description*
Press [Zero]	1. Zero the scale.
	2. If using a container or tray, place it on the platform. (example : 20g)
Press [TARE]	3. Press the Tare key to subtract the weight of the container or tray.
	4. Place the sample in the container. (example : 100g)

Calibration / Adjustment

⚠ **Note:** Calibration and adjustment are performed at the factory. However, due to differences in local acceleration of gravity, you should calibrate your scale at the location of use after receiving it. Calibration should be performed:

– When you first receive the scale
– If the scale is moved
– As part of regular scale mainenance

Calibration (after warming up)

Action	*Description*
Press [ON/ OFF]	1. Power off the scale
Press and Hold [UNIT] then press [ON/OFF]	2. While holding the UNIT key, tap the ON/OFF key to turn the scale on. The display will show CALu=. The scale is now in calibration mode.
Choose Unit	3. Press the UNIT key to toggle between weighing units (kg, g, lb, oz).
Press [ZERO]	4. Press ZERO to confirm the weighing unit and proceed to calibration.
Enter the Mass	5. Using the UNIT and TARE keys, enter the mass value of the calibration weight you are going to use: – Press the UNIT key to toggle between digits – Press the TARE key to increment the number

⚠ **Note:** The ideal calibration weight is between 2/3 capacity to full capacity in order to get the most accurate results.

Press [ZERO]	6. Press ZERO to confirm the mass value. The display will show a random number (the AD value).
Press [UNIT]	7. Make sure there is nothing on the scale then press UNIT to confirm.
	8. When the display flashes the calibration mass value, place the required mass on the platform.
Press [UNIT]	9. Once the weight stabilizes, press the UNIT key to confirm the calibration adjustment. The display will return to the AD value
	10. Remove the calibration weight and turn the scale off. Calibration is complete!

⚠ **Note:** Calibration should be done using accurate weights. The scale will accept the weight you enter, even if it is not correct. Take care to enter the calibration mass value correctly and only use accurate weights.

Function Setting Mode

You may use the Function Setting Mode to change the scales operating settings.

Action	*Description*
Press [ON/OFF]	1. Press ON/OFF to turn the scale OFF.
Press and Hold [ZERO] then press [ON/OFF]	2. While holding the ZERO key, tap the ON/OFF key to turn the scale on. You are now in the Function Setting menu.

Auto Shut Off Settings

Action	*Description*
Press [UNIT]	1. The display will show A-ON (Auto Shut off active), or A-OFF (Auto Shut off inactive).
Press [ZERO]	2. Press ZERO to toggle between A-ON (Auto Shut off active), or A-OFF (Auto Shut off inactive).

Backlight Settings

Action	*Description*
Press [UNIT]	1. While still in Function Setting Mode press UNIT. The display will show L-ON (Backlight active), L-Off (Backlight in-active), or L-Au (Backlight auto).
Press [ZERO]	2. Press ZERO to toggle between L-ON (Backlight active), L-Off (Backlight in-active), or L-Au (Backlight auto).

Return to Weighing Mode

Action	*Description*
Press [ON/OFF]	1. Press the ON/OFF key to turn the scale off and exit Function Settings Mode.
Press [ON/OFF]	2. Press the ON/OFF key again to turn the scale on an return the machine to normal weighing mode.

Error	*Description*
Err-0	The scale is currently overloaded. Remove the excess weight to prevent damaging the load cell.
Err-b	Low battery. Replace the batteries.
Err-2	Platform is not secure. Check to make sure that the platform is installed correctly.
Err-S	Inner code unstable.
Err-C	Calibration weight value has not been entered correctly.
Err-P	Counting setting error.
Err-L	Calibration weight was not detected on the platform
Err-E	Corrupted Memory

Specifications

Unit Conversions

Unit Symbol	Unit	Conversion Rate
g	Gram	1
oz	Ounce	0.03527396200
kg	Kilogram	0.00100000000
lb	Pound	0.00220462260

Specifications

Model	Capacity	Readability	Repeat-ability	Linearity	Oper. Temp	Pan Size	Overall Dimensions
HX-502	500g	0.01g	±2d	±2d	32-104°F	5.7 x 5.7 in.	2.7 x 7.0 x 9.0 in.
HX-3001	3000g	0.1g	±1d	±2d	32-104°F	5.7 x 5.7 in.	2.7 x 7.0 x 9.0 in.

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Made in China to our exact specifications and quality control.