

**HS SERIES
ELECTRONIC HANGING SCALE**

OPERATION MANUAL

PLEASE READ THIS MANUAL CAREFULLY BEFORE
ATTEMPTING TO OPERATE THE SCALE

JANUARY 2005 REV 3

Specifications subject to change without prior notice

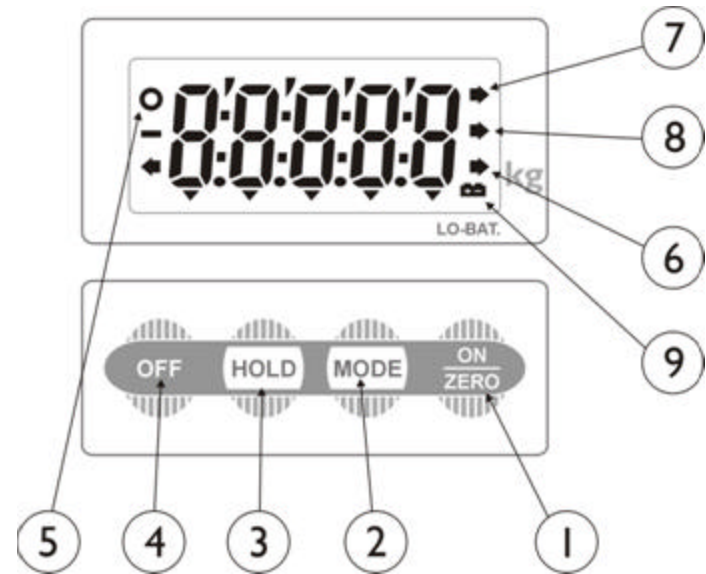
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1. OPERATING PRECAUTIONS

- 1.1 THIS IS NOT A TOY, PLEASE KEEP OUT OF REACH OF CHILDREN.
- 1.2 THIS IS A PRECISION WEIGHING INSTRUMENT, HANDLE WITH CARE, PROTECT FROM SHOCK.
- 1.3 REMOVE ALL LOADS FROM THE HOOK WHEN NOT USE.
- 1.4 KEEP AWAY FROM DIRECT SUNLIGHT, MOISTURE, HEAT AND VIBRATION.
- 1.5 REMOVE ALL BATTERIES FROM BATTERY PACK BEFORE LONG TERM STORAGE.
- 1.6 AVOID USING THIS SCALE IN AN ENVIRONMENT WHERE STRONG WIND MAY CAUSE CONTENTS OF THE SCALE CONTAINER TO FALL OUT.
- 1.7 DANGER! DO NOT OVERLOAD THIS SCALE.
- 1.8 BE CAREFUL WHEN ADDING ITEMS OR GOODS TO THE SCALE.
- 1.9 PLEASE HANDLE AND OPERATE THE HOOK WITH UTMOST CARE.

2. KEYBOARD LAYOUT AND DESCRIPTION



(Standard version)

1. ON/ZERO KEY

Press this key to turn the scale on, reset the weight to zero, or to tare off a container weight

2. MODE KEY

Press this key to switch between metric only or lb, or lb/oz weighing unit and with or without backlight (If installed)

NOTE :

To comply with the law of certain countries, the avoirdupois weight units may be disabled. In this case the mode key will only for select the backlight status

3. HOLD KEY

Press this key to hold the displayed weight

4. OFF KEY

Press this key to turn scale off

5. ZERO INDICATOR

This indicator appears to indicate a zero weight status

6. METRIC UNIT INDICATOR

This indicator appears to indicate the weighing unit currently engaged is in metric unit (kg or g)

7. AVOIRDUPOIS UNIT INDICATOR

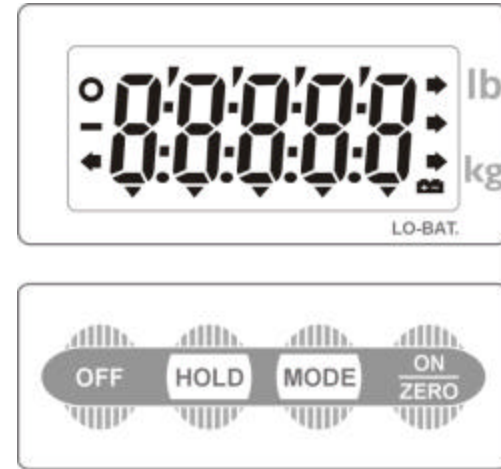
This indicator appears to indicate the weight unit currently engaged is in avoirdupois (pound)

8. AVOIRDUPOIS UNIT INDICATOR

This indicator appears to indicate the weight unit currently engaged is in avoirdupois (pound/ounce, e.g. 2.15.1 means 2 lb and 15.1 ounce)

12. LOW BATTERY INDICATOR

When this indicator appears, replace the batteries immediately. It is highly recommended to change all batteries at the same time.



(USA version)

3. INSTRUCTIONS FOR USE

3.1 POWER FOR THE SCALE

The HS hanging scale can be powered either by 4 x C batteries (not supplied) or a power adaptor with output of 9V DC 100mA (optional accessories).

3.2 POSITIONING THE SCALE

The scale must be suspended from a suitable structure, e.g. a wire rope, from a firm support that will withstand at least 5 times of the scale rated capacity for maximum operating safety.

3.3 PLACING CONTAINER OR PAN SUPPORT (OPTIONAL ACCESSORIES)

Before turning the scale on, place the container or pan support on the hook first.

3.4 APPLYING A LOAD

Always place the load on the scale gently, sudden shock or excessive force may cause damage to the weight sensor inside.

It is a good practice to remove all loads from the hook immediately after weighing. This will help to prolong the lifespan of the weight sensor.

3.5 HOW TO SWITCH BETWEEN METRIC AND LB WEIGHT UNIT AND BACKLIGHT STATUS

Turn scale on, press **MODE** to switch between metric (kg or g) and avoirdupois (lb, lb/oz) unit, with or without backlight (optional accessories).

When backlight function is employed, backlight will automatically go off 2 seconds after zero weight is detected and will automatically return when a load is applied again.

NOTE: To comply with the law of certain countries, the avoirdupois weight units may be disabled.

3.6 HOLDING THE WEIGHT DISPLAYED

To hold the weight displayed, press **HOLD** after displayed weight is stable. To disable the holding function, press **HOLD** again.

3.7 CHANGING BATTERIES

When the low battery sign appears, unload the scale and turn it off. Replace the batteries according to the polarity marked inside the battery chamber.

4. TARE OF A CONTAINER WEIGHT

If a container or a pan support is placed on the hook after the scale is switched on, press **ON/ZERO** to tare off the weight and the display will return to zero again. However, the rated capacity of the scale must not be exceeded.

5. AUTO SHUT OFF

The scale is equipped with **Auto Power Off Function**. The scale will turn off automatically if the value remains unchanged for 4 minutes. Follow the steps below to enable/disable **Auto Power Off Function**

- a. Turn scale off
- b. Press and hold **MODE**, then press **ON/ZERO**
- c. Scale displays **F.1**
- d. Press **MODE** until **F.4** appears
- e. Press **HOLD** to shift between **0_OFF** and **4_OFF**
 - To enable **Auto Power Off Function**, press **ON/ZERO** when **4._OFF** appears.
 - To disable **Auto Power Off Function**, press **ON/ZERO** when **0._OFF** appears.
- g. Scale returns to weighing status

6. TROUBLE SHOOTING

- | | |
|-----------------|---|
| SYMPTOM: | SCALE DOES NOT TURN ON |
| CHECK: | ARE BATTERIES INSERTED CORRECTLY?
ARE BATTERIES FUNCTIONING PROPERLY?
CHECK THE OUTPUT VOLTAGE IS DC 9V/100MA
IS THE MAIN ADAPTOR PLUGGED PROPERLY INTO THE SCALE POWER INLET? |
| ACTION: | RELOAD BATTERIES OR INSERT MAIN ADAPTER TO BOTH SCALE AND POWER OUTLET AGAIN. |
| SYMPTOM: | SCALE TURNS ON BUT ZERO WEIGHT DOES NOT APPEAR |
| CHECK: | IS THERE ANY LOAD APPLIED TO THE HOOK?
IS THE HOOK STABLE?
IS THE WEIGHT OF THE CONTAINER TOO HEAVY? |
| ACTION: | TURN SCALE OFF, REMOVE THE CONTAINER AND TURN SCALE ON AGAIN. |
| SYMPTOM: | RATED CAPACITY CANNOT BE REACHED |
| CHECK: | IS THE WEIGHT OF THE CONTAINER TARED OFF BY "ZERO" KEY? |
| ACTION: | TURN SCALE OFF, REMOVE THE CONTAINER AND TURN SCALE ON AGAIN. |

SYMPTOM: SCALE DOES NOT WEIGH CORRECTLY
CHECK: THE RIGHT WEIGHT UNIT IS "EMPLOYED" AND THAT
THE SCALE IS CALIBRATED CORRECTLY?
ACTION: CONTACT YOUR DEALER.

SYMPTOM: SCALE TURNS OFF AUTOMATICALLY
CHECK: IS THE AUTO OFF FUNCTION EMPLOYED?
ACTION: DISABLE THE AUTO OFF FUNCTION.

SYMPTOM: WEIGHT DISPLAY REMAINS UNCHANGED
CHECK: IS THE HOLD FUNCTION EMPLOYED?
ACTION: PRESS HOLD AGAIN.

7. DAILY CARE AND MAINTENANCE

7.1 CLEAN THE SCALE WITH A SOFT, DAMP CLOTH, IF NECESSARY
WITH A MILD DETERGENT.

7.2 DO NOT USE ANY HARSH, ABRASIVE MATERIAL, ACETONE,
VOLATILE SOLVENT, THINNER OR ALCOHOL FOR CLEANING.

7.3 VERIFY THE ACCURACY OF THE SCALE PERIODICALLY.
RE-CALIBRATION OF THE SCALE MAY BE NECESSARY.

7.4 IN SOME COUNTRIES, THE CALIBRATION IS ONLY ALLOWED
TO BE COMPLETED BY A QUALIFIED/ AUTHORIZED AGENT.
CONTACT YOUR DEALER FOR MORE INFORMATION.

Auto Calibration

- a. Turn scale off.
- b. Press and hold "Hold", then turn on scale.
- c. Scale displays CAL?
- d. Press "Hold".
- e. Scale displays LOAD XXXX or XXXX
- f. Load calibration Load.
- g. Wait until scale displays "DONE" and the countdown
starts.
- h. Calibration is complete.