



**ACS – 3, 6, 15 & 30Kg
Multi-Purpose Counting scales**

**USER'S MANUAL
RECHARGEABLE COUNTING
SCALE**



UK DISTRIBUTOR

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**Important: Please read before
operating the scale.**

CHARGING THE BATTERY:

**The scale will need charging as soon
as the RED charge light appears.
Charging takes between 8-10 hours.
DISCONNECT THE MAINS AS SOON
AS THE GREEN LIGHT APPEARS.**

**Failure to do so will permanently
damage the battery and scale,
invalidating the warranty.**

**Follow all basic safety precautions for all equipment
when using the scale.**

Do not use the scale in direct sunlight.

**Do not use the scale in varying heat environments or
near heating appliances**

Use the scale only for its intended purpose.

Clean with a soft cloth.

Do not immerse into water.

Do not use an abrasive or corrosive cleanser.

Preparation:

Place the scale on a flat, stable, draught-free surface. Adjust the feet to keep the bubble inside the middle of the bubble level.

Correct



Incorrect



OPERATION:

1. TARE

a. Tare weight:

Place the empty container on the weighing pan. Press the **[TARE]** key, the tare indicator arrow is displayed and the **WEIGHT** display will show 0.

When the container is removed from the weighing pan, the **WEIGHT** display will show a minus value.

b. Clearing the previous tare value:

Remove the empty container from the weighing pan then press the **[TARE]** key, so the Tare indicator arrow disappears and **WEIGHT** display returns to 0.

2. SAMPLE SETTING (for parts counting):

There are two sample setting methods:

a. Number setting: (when using an unknown weight)

Place a certain number of sample pieces on the weighing pan, the total weight is displayed next to **WEIGHT** at the top of the display.

Enter the quantity of sample pieces that are on the

[SAMPLE/UNIT] KEY is used when setting the counted sample amount on the weigh pan into the memory of the scale.

[UNIT WEIGHT] KEY is used when setting the known unit weight data into the scale in normal operation.

CLEAR [CE/SET] KEY is used for cancelling the numeric setting data, to cancel the previous unit weight data or to cancel alarms for quantity check.

[QUANTITY CHECK] KEY is used for switching between normal counting and quantity check alarm settings.

MEMORY [M+] KEY is used for the accumulation count data. The data is memorised by pressing this key, and can accumulate up to 99 counts.

MEMORY CANCEL [MC] KEY is used for cancelling the memorised data.

[TOTAL] KEY is used for switching between normal counting and memory data recall.

ZERO INDICATOR ARROW appears when scale has no weight on the weighing pan, or when the Tare button is pressed.

TARE INDICATOR ARROW appears when Tare is pressed while there is a weight on the weigh pan.

LACK OF SAMPLE INDICATOR ARROW appears when the sample amount on the weighing pan is not enough for accurate counting in number setting mode
(see 2. **SAMPLE SETTING:**
a. **Number setting:**)

LACK OF PIECE WEIGHT INDICATOR ARROW appears when the sample unit weight is not heavy enough for accurate counting operation in unit weight mode
(see 2. **SAMPLE SETTING:**
B. **Unit weight setting:**)

NUMERIC (0-9) KEYS are used for setting numerical data for the sample number, sample weight or alarms for quantity checking.

DECIMAL POINT (.) KEY is used for setting the decimal position of a sample weight.

[ZERO/MENU] KEY is to set or re-adjust the scale into the zero position.

[TARE/DIV] KEY subtracts the gross weight that is on the weigh pan (empty box, container, etc.)

weighing pan (using the numerical keypad). The quantity entered should appear on the middle of the display next to the **UNIT WEIGHT**.

Press the **[SAMPLE/UNIT]** key.

The **UNIT WEIGHT** display will change to show the average weight per piece.

The **TOTAL** display shows the amount of pieces on the weighing pan.

You can now remove or add parts and the values on each section of the display will change respectively.

b. **Unit weight setting:** (where the unit weight is already known)

Enter the unit weight (**in grams**) using the numeric keypad, the numbers are displayed in the **UNIT WEIGHT** display. Press **[UNIT WEIGHT]** to save the weight you have entered. The scale is now ready to count.

If the scale is set correctly the **TOTAL (PCS)** display should count up by 1 each time a part is added to the pan, increasing the **WEIGHT** display as well.

c. **FREE sample function:**

The scale will automatically adjust and calculate a new average unit weight (the sample pieces must be added slowly).

The **FREE SAMPLE FUNCTION** will not work if the displayed numbers exceed 1,000,000 pieces.

Press the **[CE/SET]** key to cancel unit weight and sample settings.

3. **CHARGING THE BATTERY:**

The scale will need charging as soon as the **RED** charge light appears.

Charging takes between 8-10 hours.
DISCONNECT THE MAINS AS SOON AS THE GREEN LIGHT APPEARS. Failure to do so will permanently damage the battery and scale.

4. ALARM FUNCTIONS:

To avoid counting errors, this scale has a useful alarm function to inform operator in the case of sample number shortage or weight shortage.

a. Sample number alarm:

The **Lack of Sample** indicator arrow will display if the total weight of the sample is under the set value. Slowly add more sample pieces until the indicator disappears.

To set a new sample level type in the amount using the numerical keypad, then press the **[SAMPLE/UNIT]** key.

b. Unit weight alarm:

The **Lack of Piece Weight** indicator arrow will display if the average unit weight or set unit weight is not enough for accurate counting operation.

5. High/Low Alarms:

This is to inform the operator that the parts counting quantity has reached the lower or upper desired limit. This function is designed for packing, stock taking purposes, etc.

For example, if the operator wishes to count 1,000 pieces for every package, they can set the lower limit and the upper limit as 1,000 pieces as follows:

Press **[QUANTITY CHECK]**

Press **[ZERO/MENU]**

Type in 1000 next to 'L'

Press **[TARE/DIV]**

Type in 1000 next to 'H'

Press **[ZERO/MENU]** so **CH=ON** appears at the top of the display to activate quantity check alarms.

Press **[QUANTITY CHECK]** to exit

To cancel the alarm settings press **[QUANTITY CHECK]** then **[ZERO/MENU]** and CH=ON will change to CH=OFF.

Press **[QUANTITY CHECK]** again to exit

6. CHANGING UNITS:

To change the unit of measurement, make sure there is nothing on the weigh pan and the scale is showing 0 in all parts of the display. Press **[SAMPLE/UNIT]** key to select kg, g, lb or oz. A black arrow will appear next to the unit selected.

7. CHARGING THE BATTERY:

The scale will need charging as soon as the **RED** charge light appears.

Charging takes between 8-10 hours.

DISCONNECT THE MAINS AS SOON AS THE GREEN LIGHT APPEARS. Failure to do so will permanently damage the battery and scale.

8. All Functions Explained:

WEIGHT DISPLAY indicates the gross or net weight on the weighing pan.

UNIT WEIGHT DISPLAY indicates the average or set unit piece weight.

TOTAL (PCS) DISPLAY indicates the accumulated total pieces on the weigh pan.