COUNTING SCALE

SUC-A & MAX-C Series

OPERATION MANUAL

PREFACE

Thank you for purchasing this high precision type electronic counting scale. For a longer usage of the scale, please read the instruction manual completely before operation and keep it for further reference.

CAUTION

- Never immerse the scale in water and other liquids, or place heavy metal item or others in the scale.
- Never leave the scale with something placed on the platform.
- Never give a shock to the platform.
- If the scale is dirty, wipe it off with a soft cloth slightly soaked with neutral detergent.
- If using the scale in a place where it often becomes dirty, use the protection cover included as a standard accessory.
- The platform can be cleaned with water, dry it well before using it.
- Recharge battery after a long period of storage (every 3 or 4 months), and charge the battery fully before using.

FEATURES

- With micro-processor, combine with sensitivity force transducer strain gage load cell, accurate and shock-proof.
- Input unit weight directly, accurate and easy to operate.
- Recalculate unit weight automatically each time, offering more precise measured accumulation.
- With no leakage and long life rechargeable battery, up to approximately 100 hours to each charge. Low battery warning (display will show bAt-Lo).
- Large, clear and easy to view liquid crystal display.
- Buzzer alarm with each keypad touching, in order to confirm checking weighing function.
- Die casting sturdy construction provides perfect protection to avoid damage from overloading.
- Shock-proof load cell with extremely high overloaded capacity, protected against humid environment, dust-proof and corrosive-proof.
- Good-looking, dust-proof and corrosive-proof of membrane switch.

BUTTON FUNCTION DESCRIPTION:

- Numeric keys "0~9": To input number for unit weight or quantity of sampling. Please setup number in 8 seconds, or it will clear to "0" automatically after 8 seconds.
- "0":
  1. To set "0".
  2. Press and hold "0"for 3 seconds to turn on/off automatic print.
- "•":
  1. To set decimal point.
  2. Press and hold "•" for 3 seconds to turn on/off to print manually.
- "CE": To clear unit weight and total count.
- "ZERO":
  1. To zero the display. "ZERO" range is 10 divisions, otherwise, it will have no response.
  2. To turn on/off backlight: Press "ZERO" for 3 seconds to turn on backlight, which will turn off automatically after 3 seconds (off time can be set up by user). When any key is pressed or something is placed on the scale, backlight will be turned on again. To turn backlight off, press "ZERO" key for 3 seconds.
- "TARE": To deduct the weight on the platform, "TARE" indicator will light up at the same time. Input weight directly then pressing "TARE" in 2 seconds.
- "WS": Unit weight setting (When the unit weight is known). Enter the unit weight directly then pressing "WS".
- "NS": Quantity setting. Place a certain amount of materials on the platform, input their quantity number and press "NS". The correct unit weight will be displayed automatically.
- "CK": alarm quantity setting. Press "CK" to setup quantity, the display will show "Set-Ch", input counting number and press "WS" then "CK".
- "M+": To accumulate weight or quantity.
- "MR": To recall and display accumulation data.
- "MC": To clear accumulation data.

DISPLAY MESSAGES:

1. "00000~99999": When switching on the scale, the display will read through 0~9 automatically for about 3~5 seconds and set to 0.
2. Buzzer alarm with each keypad touching, in order to confirm the correct operation.
3. Backlight: Backlight turns on/off when press "ZERO" key for 3 seconds.
4. ZERO indicator: An arrow will point to ZERO when "ZERO" key is pressed to auto zero adjust.
5. TARE indicator: An arrow will point to TARE when "TARE" key is pressed to deduct the weight on the platform.

OPERATIONS:
● Switch the scale on and off:
Turn the scale on and off by switching the power switch located on the right bottom side underneath the scale. When the scale is turned on, the display will read through 0~9 automatically for about 3~5 seconds, when it sets to 0, the scale is ready for operation. Make sure the platform is empty when switching the scale on.

● Weighing:
1. Weigh without a container: Make sure the reading is "0", if not, press "ZERO" to display "0". Place objects to be weighed on the platform, the weight will show on the display.
2. Weigh with a container: Place a container on the platform, after the weight of container is displayed, pressing "TARE". Place objects in the container, the weight will show on the display.

● Counting:
1. When the unit weight is known: Enter the unit weight of an object directly then press "WS". Place the objects to be counted on the platform, the display will show their weight, unit weight and total quantity.
2. When the unit weight is unknown:
   A. Sampling: Place a sampling amount of the objects to be counted on the platform, enter their quantity and press "NS" key, the display will show total weight, unit weight and the quantity you have just input.
   B. Counting: Place the objects to be counted on the platform, the display will show their weight, unit weight and total quantity.

Sampling Principle:

1. Pick up a suitable capacity: Each unit weight should close to division (or minimum capacity), the closer the more precise.
2. Choose a suitable quantity: The larger the sampling size is, the more accurate the unit weight is. If possible, sample at least 1/2 of total quantity (the more the better).
3. Automatic re-average unit weight: There is tolerance to small unit weight, the scale can automatically re-average to obtain more precision.

● Accumulation:

1. Place the objects to be counted on the platform (unit weight must be set already), press "M+". Return the display to zero (and re-set unit weight if the next weighing item differs from the previous one), place the objects on the platform and press "M+"…following the same rule to the next one.
2. To recall accumulation data, press "MR" to show each count one by one then the accumulation counts.
3. To clear accumulation data, press "MC".

● Quantity alarm:

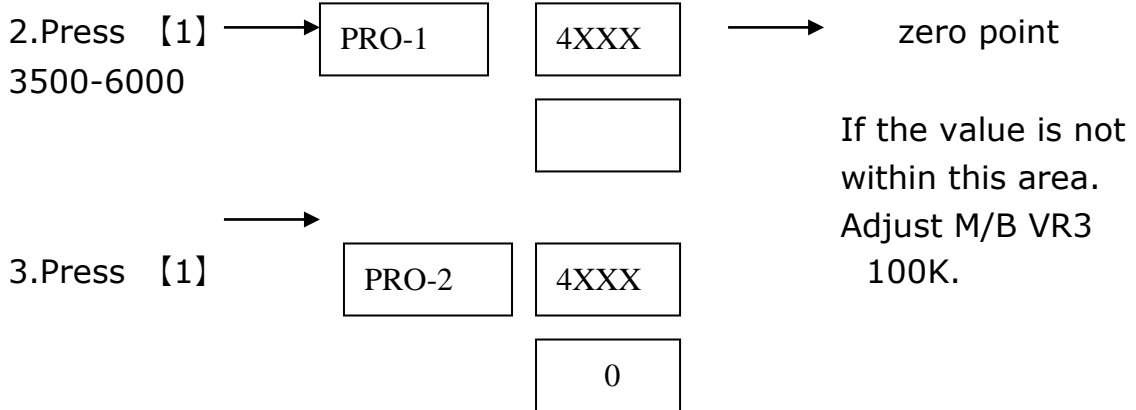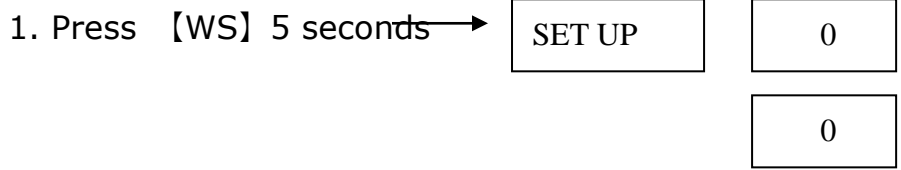1. Set quantity alarm:
   A. Input a known unit weight then press "WS". If you do not know the unit weight, do the sampling first to check the unit weight.
   B. Press "CK" to setup quantity alarm, the display will show "Set-Ch".
   C. Enter the quantity number you want to set alarm, press "WS" then "CK" to finish setup.
   D. Place a certain amount of objects to be counted on the platform, if the total quantity equal or exceed the alarm quantity set, the scale will alarm.
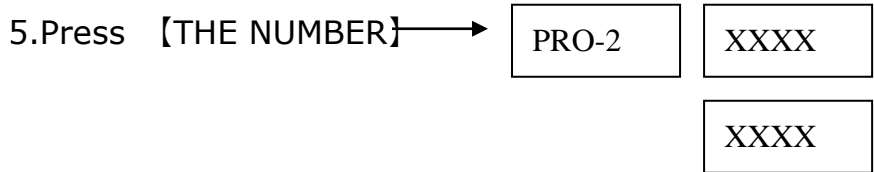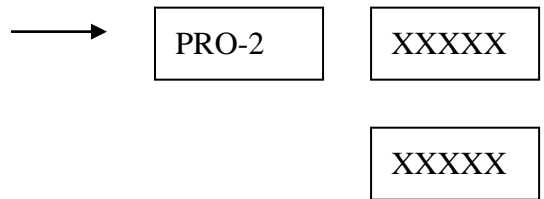
2. Cancel quantity alarm:
   A. Press "CK", the display will show "Set-Ch" and the alarm quantity set.
   B. Press "CE", the value of the quantity will be deleted.
   C. Press "WS" then "CK" to finish cancellation.

Example: 30 kg calibration

1. Press 【WS】5 seconds ⟶ | SET UP | 0 |

0

2.Press 【1】 ⟶ PRO-1   4XXX ⟶   zero point
3500-6000

If the value is not
within this area.
Adjust M/B VR3
3.Press 【1】   PRO-2   4XXX   100K.

0

4.Put the standard weight unit (EX:10 kg) on the scale (the unit is
   based on full scale weight), for example, to calibrate a 30 kg scale, the
   standard weight unit you can select is 10 kg, 15 kg or 30 kg)

⟶ PRO-2   XXXXX

XXXXX

5.Press 【THE NUMBER】⟶ PRO-2   XXXX

XXXX

The number is related to step 4. For example, to calibrate 30 kg scale
   with a 10 kg standard weight, press 【3】; to calibrate with a 30 kg
   standard weight, press 【1】.
   The formula：
   Standard weight unit ＊ 【THE NUMBER】= full scale weight
   【THE NUMBER】= 1.2.3.4.5.6

6. Press 【THE NUMBER】again, the system auto zero and calibration is
   completed. Take the standard weight away from the scale.