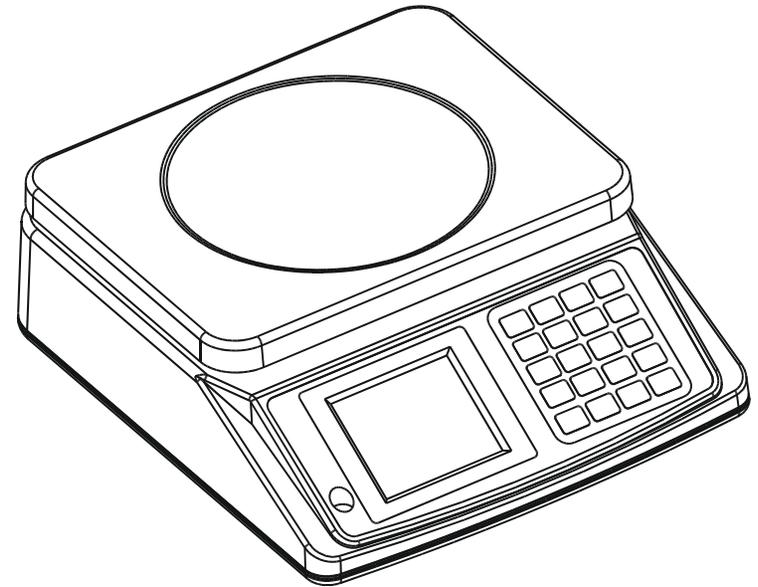


# VW-330-C COUNTING SCALE

## INSTRUCTION MANUAL

[www.balances.com](http://www.balances.com) is your VMC deep discount distributor



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repeat step1, enter setting calibration weight value, press digital key, input

need calibration weight value(**Note:** the calibration weight value is great than or equal to fifty hundredth of max capacity), the setting calibration value is complete.

- Exit the setting function:  
When you are done the function, the power is turn off to exit the function.

## V .CALIBRATION

### **When to calibrate**

Calibration may be required when it is initially installed, if the scale is moved to a substantial distance.

This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations may occur.

### **How to calibrate**

- Before entering calibration mode, firstly power on for 1minute.
- Enter calibration mode**  
Turn the power off. Press and hold [ENT] key, then turn on the power, the display will show the A/D value.
- Calibration by the weight**  
Wait for the stable A/D value to be displayed, Press [ZERO] key, the display will show "00SAVE", after 2 seconds, the display will return to A/D value.
- Place the set calibration weight value on platform. After the stable A/D value is displayed, then press [ZERO], the display will show "00SAVE" and now calibration is finished.
- Turn off the power, then turn on the power again, place some weight on the platform to make sure whether weighing is correct, if not, repeat steps 2-5.
- Return to weighing mode**  
Turn the power off. again to turn on the power and the scale return to the weighing mode.

### **REMARK**

When the recharging sign“  ” turn on, please charge the battery immediately, the time of charging is about eight to ten hours.

## VW-330-C COUNTING SCALE

### I . Preparation:

Place the scale horizontally and keep the bubble inside the bubble level aligned with the red circle (See Fig.1).



Correct



incorrect

( Fig.1 )

### II . Function Explanation:

- WEIGHT DISPLAY** indicates the gross or net (when the tare function activated) weight on the platter.
- UNIT WEIGHT DISPLAY** indicates the averaged or set unit piece weight.
- TOTAL DISPLAY** indicates the accumulated total piece number on the platter.
- ZERO INDICATOR** turns on when scale is in zero position.
- TARE INDICATOR** turns on when the function is being used.
- LACK OF SAMPLE INDICATOR** turn on when the sample number on the platter is not enough for accurate counting operation in case of number of sample setting mode.
- LACK OF PIECE WEIGHT INDICATOR** turns on when the sample unit weight is not enough heavy for accurate counting operation.
- NUMERIC (0-9) KEY** is used for setting numeric data for sample number, sample weight or limit number of checking.
- DECIMAL POINT (.) KEY** is used for set the decimal position of sample weight.
- [ZERO] KEY** set or re-adjust the scale in correct zero position for accurate counting operation.
- [TARE] KEY** reduces the gross weight on the platter (box or container etc.) as the tare weight.
- [PCS/SET] KEY** is used when setting the counted sample numbers on the platter into scale memory. **[WT/SET] KEY** is used when setting the known unit weight data into scale in normal operation.
- [ENT] KEY** is used for canceling the numeric setting data or cancel the previous unit weight data.
- [QTY/SET] KEY** is used for the alternation of changing normal counting and quantity check operation.

- MEMORY [M+] KEY** is used when accumulation the counts data, this data are memorized by pressing this key and could be accumulated up to

99 counts.

**Q. MEMORY CANCEL [MC] KEY** is used for canceling the memorized data.

**R. [TOTAL] KEY** is used for the alternation of changing normal counting and memory data recalling.

**S.UNIT(lb/Kg).** The unit switch on the bottom of scale ;Once the unit is selected ,the selected unit indicate the different calibration and weighing unit.

### **III. OPERATION:**

#### **A. TARE**

##### **a. Reduce tare weight:**

.Place the empty container on the platter.Press [TARE] key then the tare indicator is turned on the WEIGHT display shows Zero.

. When remove the container from the platter after reduced the weight, then the WEIGHT display shows with minus sign.

##### **b. Clearing the previous tare value:**

.Remove weights from the platter then press [TARE] key so that the Tare indicator turns off and WEIGHT display returns to Zero.

**B. SAMPLE SETTING:** There are two sample setting method:

##### **a. Number setting:** (In case of counting the unknown unit weight)

. Place the certain numbers of sample on the platter, total weight is display in WEIGHT display.Set the numbers of sample through numeric keys, set numbers is showed in UNIT WEIGHT display with flickering.

. Press the [PCS/SET] key, UNIT WEIGHT display shows the averaged unit weight per piece and TOTAL display shows the numbers of sample.

##### **b. Unit weight setting:** (In case of unit weight is already known)

. Set the unit weight data then numbers are display with flickering in UNIT WEIGHT display.. Press [WT/SET] key, then flickering of UNIT WEIGHT display is stopped.

c. Press [CE] key for cancel the previous unit weight and sample setting.

**C.ALARMING FUNCTION:** To avoid counting error. This scale has useful alarming function to inform operator the counting error feasibility in case of sample number shortage or weight shortage of sample unit weight.

##### **a. Sample number alarm:**

Lack of Sample indicator will turn on if the total weight of sample is below

the limit value, by adding the sample piece with counting until the indicator is turned off. Then set the new numbers of sample through numeric key then press [ PCS/SET ] key.

**FREE SAMPLE FUNCTION** is the same as the above; scale will automatically adjust and calculate new average unit weight if operator add samples in slowly with the numbers.

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

##### **b. Unit weight alarm:**

Lack of Piece Weight indicator will turn on if the averaged unit weight or set unit weight is not enough for accurate counting operation. Operator may use scale even this indicator turn on, but counting error might occur.

##### **c. Alarming by press [QTY/SET]:**

THE SCALE has useful check function to inform operator that the total piece counts quantity has reached the lower limit and the upper limit desired. This function is designed for packing purpose. For example, if the operator wish to count 1,000 pieces for every package, he can set the lower limit and the upper limit as 1,000 pieces as following: (1)press[QTY/SET] enter quantity alarm menu. (2) Setting quantity alarm: repeat step(1), enter quantity alarm menu, press [MENU] key first, then press [CHG] key, selected "CH=on", this means quantity alarm is turn on. If selected "CH=off", this means quantity alarm is turn off. (3) Setting lower limited and upper limit: repeat step (1), enter quantity alarm menu, presses [MENU] key when the display will show "L=0000"(L for flash), press digital key, input "990" then press [MENU] key again, input lower limit is complete. The display will show "H=0000"(H for flash), press digital key, input "1010" then press [MENU] key again, input upper limit is complete. (4) exit the quantity alarm menu: press [QTY/SET] key to exit the quantity alarm menu.

### **IV. Setting division value and calibration weight value:**

1. Enter setting division value and calibration value weight.

Press and hold [MENU] key, then turn on the power switch, the display will show [  $\overset{d}{CAL} \equiv \overset{0}{00}$  ].

2. Setting division value: Repeat step1, enter setting division value, press [ CHG ] key, selected division value: the setting division value is complete.