



Operation Manual


VC

Counting Indicator

6. CALIBRATE

We recommend you to calibrate the scale with a reference weight of full capacity of the scale according to the following procedure, just before the operation when it is installed, transported, or after certain time passed from the previous calibration. Particularly it is necessary when the working district of the scale is changed, since the measuring data changes proportionally to the change of G of gravity which changes according to the latitude.

The following calibration procedure is simple, and not subject to operator errors, but does require a reference weight of the full capacity of the scale.

1) Hold the  key until "FLnC" appears for roughly 5 to 6 sec., and still continue pressing until "CAL" appears.

2) Hold  key, then press  key, and release both keys at the same time

3) The display will indicate "on □" Verify that no load is placed on the scale, as the zero adjustment is automatically achieved.

4) Allow to appear on "on FS" Apply the reference weight just in the center of the weighing pan. The span adjustment will automatically be achieved.

*Calibrate weight request: more than 1/10 of capacity, and 2 digits integer, for example, these weight can be used for 30kg model:

3.1kg/3.2kg/3.3kg.....9.9kg/10kg/11kg.....29kg/30kg

5) When the calibration is completed, the display will automatically return to the measurement mode.

Contents

1. OPERATION KEY FUNCTION.....1

2. BASIC OPERATION.....1

2.1 General instruction.....1

2.2 zero the scale.....2

2.3 Tare.....2

2.4 Pretare.....2

2.2.4 overload warning.....3

3. COUNTING.....3

3.1 Unit weight set.....3

3.1.1 Sampling unit weight.....3

3.1.2 Entering a known unit weight.....4

3.2. Resample.....4

4. ACCUMULATION.....5

4.1 Normal accumulate counting.....5

4.2 Accumulation mode.....5

5. LIMIT SET AND COMPARING.....5











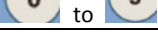
5.1 limit set.....5

5.2 Look up limit values.....6

5.3 Comparing (how limit function work).....6


6. CALIBRATION.....7

1. OPERATION KEY FUNCTIONS

Key	Function
	Turn On/Off
	Taring (>2% Max), Zero Settings (<2% Max) In Settings, Change Menu Settings
	Calculate Weighing data through interface
	Set High/ Low Limits
	Reference Optimization
	Set Unit weight
	Menu Function and Enter Key
	Accumulation Exit to the weighing mode
	Set Sample
	Cancel
	Numeric keys




2. BASIC OPERATION

2.1 General instruction

- When battery goes low, the  indicator will be half automatically. It is the time to charge the battery with the AC power. If **VC** goes on being used without proper charging, the display window will show

sign. High limit set, and go back to working area.

5.2 Look up limit values

Press  key. Li-LO appears at Weighing display, and low limit value shows that currently set at UNIT. W display. Press  key. Li-HI appears at Weighing display, and high limit value shows that currently set at UNIT.W display. Press  key. Go back to working area.

In case that only one point (13.Pn. 1) is selected to set,

low limit value shows after press  key at once go back to working area.

5.3 Comparing (how limit function work)

Suppose two limits have been set;

When the quantity is under the low value, it is ranked as “ LO “

When the quantity is between the low value and the high, it is ranked as “ OK “

When the quantity is over the high value, it is ranked as “ HI “

Notes: # Such settings as lower limit value \geq Higher limit value will be error.

Comparative judgment condition;

At one point(13.Pn. 1) :

LO : value < lower limit. OK: lower limit \leq value.

At two point(13.Pn. 2) : LO: value < lower limit



OK: lower limit \leq value \leq higher limit, HI : higher limit < value

We get beep sound in response to comparing result.

The condition is selectable by function set


4. ACCUMULATION.



4.1 NORMAL ACCUMULATE COUNTING

before do accumulation operate, please set unit weight, then load partial samples, quantity window will show current counts, after  indicator on, press  key, quantity windows will show current total weight (TOTAL indicator on) for 3 second, then return to normal count mode.

Please note, before you stare next accumulate, scale must return to zero.

4.2 ACCUMULATION MODE


When in normal count mode, press  key, scale will enter accumulation mode. Weight window show current count value, unit weight show new total weight, quantity window show current total weight (TOTAL indicator flash).




accumulation mode, after add sample and  indicator on, press  key, quantity window will show total

5. LIMIT SET AND COMPARING

5.1 LIMIT SET

Before use this function, please sure limit function must be set enable (see detail in parameter setting table), you can set either one point or two points limit.

Press  key. Li-LO appear at Weighing display, and low limit value shows


that currently set at UNIT.W display, enter low limit value with numerical keys, press  key. Low limit set, and a beep will sound to sign. Then Li-HI appears at Weighing display, and high limit value shows that currently set at UNIT.W display, then advance to  high limit, enter high limit value with numerical keys, press  key. High limit set, and a beep will sound to

“Li-Lo” every 10 minutes, and **VC** would be shut down automatically after 50 minutes of warning in order to protect the battery. Please charge the battery immediately, or **VC** cannot be used.



2. The battery symbol will blink when charge, after it change to full symbol, this means charge almost full, please go on charge battery around 1 hour to assure battery charge full.


3. Even you haven't use VC, please also charge battery every 3 month to protect the battery

2. 2 ZERO THE SCALE



When there is no item on the scale but reading is not zero, press the  key to turn on ZERO indicator, When the weight goes over 2% of the full capacity, scale will do tare operate


2. 3 TARE

Put container on the platter once the weight reading is stable ( indicator turn on), press the  key, the TARE indicator will be on and the container's weight will be deducted.

When it is time to clear the TARE, take off the container, and press  key again. The container weight must more then 2% of capacity, otherwise, scale will do zero operate.

2. 4 PRETARE

Use numeric key and  key to input pretare value (the max tare range is max-1d), then press  key, the TARE indicator will be on and the pretare weight will be deducted. When it is time to clear

the TARE, press  key again.

2. 5 OVERLOAD WARNING

Please do not add item that is over the maximum capacity. When reading "O-err" and hear beeping sound, remove the item on the platter to avoid damage to the load cell.

3. COUNTING


3. 1 UNIT WEIGHT SET

In order to do parts counting it is necessary to know the average weight of the items to be counted. This can be done by weighing a known number of the items and letting the scale determine the average unit weight or by manually inputting a known weight using the keypad.


3.1.1 Sampling unit weight

To determine the average weight of the items to be counted it will be necessary to place a known quantity of the items on the scale and then to key in the quantity being weighed.

The scale will then divide the total weight by the number of samples and display the average unit weight.

Zero the scale by pressing the  key if necessary. If a container is to be used, place the container on the scale and tare as discussed earlier.

Place a known quantity of items on the scale. After the weight display is stable enter the quantity of items using the numeric keys followed by

 key. The number of units will be displayed on the "Quantity" display and the computed average weight will be shown on the "Unit Weight" display.

As more items are added to the scale, the weight and the quantity

will increase.

If the scale is not stable, the calculation will not be completed. If the weight is below zero, the quantity display will show negative count.


*if you input a incorrect data, press  key to clear.

3.1.2 Entering a known unit weight

If the unit weight is already known then it is possible to enter that value using the keypad.

Enter the value of the unit weight using the numeric keys

When LIGHT (unit weight window) indicator flash, this means current unit weighing it too low for this specification scale, please try to use other specification scale, otherwise, you will can't get

followed by pressing the  key. The "Unit Weight " display will show the value as it was entered.


The sample is then added to the scale and the weight will be displayed as well as the quantity based upon the unit weight.

When LIGHT (unit weight window) indicator flash, this means current unit weighing it too low for this specification scale, please try to use other specification scale, otherwise, you will can't get accurate count data.

*if you input a incorrect data, press  key to clear.

3.2 RESAMPLE

After completing the memorizing, you add the sample more and have new unit weight value. This is resample function.

Add some samples, press  key. Weight, Unit weight and quantity displays light with beep, the memory is updated. Add the samples more and more repeating the above operation, then more precise average unit weight value is memorized.