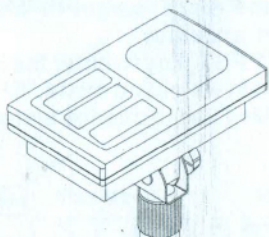
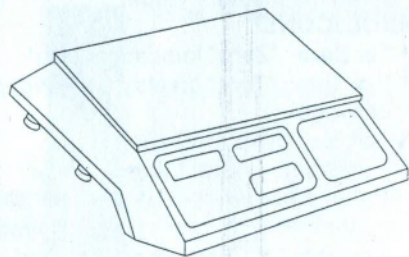


# Counting Balance User Manual



Weight	Unit Weight	Quantity	
P2 FUN	F1 bL	ON	F1 is back light setting, you can choose ON /OFF/AUTO. AUTO means when back light on when weighing.
	MC ↓	M+ AUTO	
	M+ OFF		
	Unit Weight	Quantity	F2 is unit weight automatic calibration, you can choose ON or OFF.
F2 ArG	ON		
	MC ↓	M+ OFF	
	Unit Weight	Quantity	F3 is if there need to wait stable when ZREO/TARE /Total, you can choose ON or OFF.
F3 CSt	ON		
	MC ↓	M+ OFF	
	Unit Weight	Quantity	F4 is if the can totalling when after the last totalling, the scale have not back to zero. "NO" is allowed; "OFF" is unallowed.
F4 nRE	ON		
	MC ↓	M+ OFF	
	Unit Weight	Quantity	F5 is if the scale can pretare when there has weight on the pan. "NO" is allowed; "OFF" is unallowed.
F5 PLE	OFF		
	MC ↓	M+ ON	
	Unit Weight	Quantity	F6 is unit setting press [M+] key can change the different units.
F6 UNt	1g		
	MC ↓	M+ 9	
	M+ Lb		
	Unit Weight	Quantity	F7 is filtering and weighing speed setting .the value is smaller, the speed is faster, but the stability is weaker .
F7 FIL	1		
	MC ↓	M+ 2	
	M+ 3		
	Unit Weight	Quantity	F8 is the display of zero range setting. The value is bigger, the display of zero range is bigger.
F8 ZEO	1		
	MC ↓	M+ 2	
	M+ 5		

## 7. SPECIFICATION

Resolution	30000-60000
Source	DC 12V 500mA+6V/4Ah AC 220V(-15%,+10%)+6V/4Ah
Display	LCD display
Temperature	Storage -10~+50℃ Work 0~+40℃
Humidity	Storage 5%~90%R.H. Work 10%~80%R.H.
Power	Backlight 90mA; Work 0~+40℃

"-H L-"means alarm when the quantity is between the High and Low Limit.

"-H L" means alarm when the quantity is beyond the High Limit.

"H L" means there's no alarm.

Press [Q`TYPST] key to enter the H Limit setting mode. ("CHLn0d")

Press number key to enter the H/L Limit value.

Press [Q`TYPST] key to enter the L Limit setting mode. ("CHLn0d")

Press number key to enter the H/L Limit value.

Press [Q`TYPST] key ,the value will be saved and exit this setting.

### 6.user parameter setting

Press the [MC] key and the [C] key at the same time to enter the user parameter setting, as follows:

Weight	Unit Weight	Quantity	
P1 trA	T1 FC	1	T1 Is communication mode, 1 is continuous mode, 2 is continuous mode, 3 is answer mode.
	MC ↓	M+ 2	
	M+ 3		
	Unit Weight	Quantity	T2 Is communication address, use it in multicomputer communication.
T2 Add	1		
	MC ↓	zero ↑ tare	
		20	
	Unit Weight	Quantity	T3 Is communication baud rate.
T3 bPS	9600		
	MC ↓	M+ 19200	
	Unit Weight	Quantity	T4 Is communication mode, parameter usually set to n81 or o71 or e71.it means the setting of Even/odd Check-bit, date bit and stop bit.
T4 Fnt	n 8 1		
	MC ↓	M+ 0 7 1	
	M+ E 7 1		
	Unit Weight	Quantity	T5 Is the block check character ,you can choose ON or OFF.
T5 ChF	OFF		
	MC ↓	M+ ON	

## 1. CAUTION

- 1.1 Do not spill liquids on the balance.
- 1.2 Avoid installing the balance in direct sunlight.
- 1.3 Avoid overloading or dropping material onto the platform.
- 1.4 If the balance is not to be used for a long period of time, remove all batteries from the battery compartment, please recharge every three months and charge before use.
- 1.5 Please use the standard adapter and individual socket.
- 1.6 Please charge when Lo-Bat sign is blinking.
- 1.7 Please warm-up the balance for 15-20 minutes.
- 1.8 Please place your balance on a firm and level table.
- 1.9 Calibration may be required before weighing or when the balance is initially installed or moved from a location.

## 2. COMMON FUNCTION

### 2.1 Switch balance on

To switch on the balance, ensure the pan is empty and press the ON/OFF switch towards the (" | ") position and the scale will power on and set zero ready for weighing or counting operations.

### 2.2 Switch balance off

To switch the scale off, press the ON/OFF switch towards the (" O ") position.

## 2.3 COUNTING

### 2.3.1 The Unit Weight of Object is Unknown

Place a sample quantity of items on the scale, Enter the number of items in the sample, press the [SMPL] key. Once the scale stabilizes, the count is shown on the quantity display and enter the counting mode automatically.

### 2.3.2 The Unit Weight of Object is Known

Enter the known weight of the item, Press the [UNIT W.T.] key, the count is shown on the quantity display and enter the counting mode automatically.

\*\*\*The larger the sample weight is, the more accurate the count will be.

\*\*\* With both the "Unit weight" and "Quantity" displays showing zero, pressing either the [UNIT W.T.] key or the [SMPL] key will recall the latest piece weight value.

\*\*\*when Press the [UNIT W.T.] key to get the unit weight, if the value which you place next time is more than 10% of the last sampling value and less than the last sampling value of present, the scale automatically re-calibration the unit weight. you can set this function on /off in "F2 ARG".

\*\*\*if the unit weight and count is known, the scale will re-calculate the unit weight according the count shown in the "Quantity" displays when you press the [UNIT W.T.]

## 2.3.3 ZERO FUNCTION

Press the Zero key to re-zero the display with no load on the weigh pan. If the scale was damaged or the weight is exceed the rang of the zero, this function will be inactive. In the course of using, scale may appear slight shift, please press zero. The rang of zero =capacity\*x%

## 2.4 TARE FUNCTION

### 2.4.1 The Weight of Container is Unknown (Tare)

Place the container onto the scale. Press [Tare] Key. Once the scale stabilizes, it will display the net weight and the "◀" icon next to the NET symbol will be displayed.

When the container is removed from the scale, the weight display will show a negative sign. Press the T key again to clear tare value and the weight display will reset to zero, the "◀" icon adjacent to the NET symbol will go off.

### 2.4.2 The Weight Container is Known (Pre-set Tare)

Nothing is placed on the scale. Press [Tare] key, the display will show "PreTare". Enter the weight value of the container, then Press [Tare] key. now, Pre-set Tare is complete.

The User mode function to operate the "Pre-set tare" is to set "on", The scale can perform a pre-set tare when there is a weight on the scale.

Operation is as follows:

An object is placed on the scale. Enter the weight value of the container Press [Tare] key. When the container is removed from the scale, the weight display will show a negative sign. Press the [Tare] key to clear pre-tare value and the weight display will reset to zero, the "◀" icon adjacent to the NET symbol will go off.

## 2.5 TOTALISING

The totalising function can be used up to a maximum of 99 times before it must be reset. The totalising display is limited to seven digits maximum.

2.5.1 when the count is show on the quantity display, Press [M+] Key, then enter the totalising function. the quantity display shows "Add XX", XX means the Total Number of Additions. After 3 seconds, the scale will return to the counting mode.

### 2.5.2 Recall Quantity Totalised

With The totalising display zero, press M+ key to recall the totalised value. it will show the Total Number of Additions, press [M+] key again, it will show the object

\*when the scale is show the object quantity /Per, press [MC] key, it will clean the quantity which is showing on the display.

### 2.5.3 Clear all Totalised Values

Press the [MC] key to clear all of the totalised values and the "◀" symbol adjacent to the [M+] icon on the overlay will switch off.

## 3. KEYBOARD FUNCTION

0-9 or point: Input the numbers.

[SMPL]: Input the sample quantity.

[Q' TYPST]: Preinstall the High/low Limit values.

[UNIT.W.T]: Input the unit weight of sample.

[PSTCE]: Delect the preinstall value.

[M+]: Add all the quantities and store, the max Total Number of Additions is 99.

[CE]: Clean the last input value; in totalizing, press this key can return to counting mode.

[MC]: Clean the memory value.

## 4. SYMBOL ICONS

4.1. "◀" or Zero : "Zero" indication.

4.2. "◀" or Tare : "Tare" displays the deduction of the container weight.

4.3. "◀" or M+ : "M+" Totaliser.

4.4. "◀" or Stable : "Stable" indication.

4.5. : If the piece weight is smaller than "Minimum Sampling Weight", "◀" will be displayed. In order to clear the symbol "◀", increase the size of the sample.

4.6. : If the piece weight is smaller than "Minimum Unit Weight", "◀" will be displayed. The scale still weighs even though the piece weight is too small, this may affect the count accuracy.

5. Press [Q' TY PST] key to enter the H/L Limit value for Quantity Preset in weighting mode. "CHLn0d" is Alarm mode, press [M+] key to change alarm mode, as follows:

