LCT COUNTING SCALE

INSTRUCTION MANUAL

USER MANUAL
LCT 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:

A.WEIGHT DISPLAY indicates the gross or net (when the tare function activated) weight on the platter.

B.UNIT WEIGHT DISPLAY indicates the averaged or set unit piece weight.

C.TOTAL DISPLAY indicates the accumulated total piece number on the platter.

D.ZERO INDICATOR turns on when scale is in zero position.

E.TARE INDICATOR turns on when the function is being used.

F.LACK OF SAMPLE INDICATOR turns on when the sample number on the platter is not enough for accurate counting operation in case of number of sample setting mode.

G.LACK OF PIECE WEIGHT INDICATOR turns on when the sample unit weight is not heavy enough for accurate counting operation.

H.NUMERIC (0-9) KEY is used for setting numeric data for sample number, sample weight or limit number of checking.

I. DECIMAL POINT (.) KEY is used for set the decimal position of sample weight.

J. [ZERO] KEY set or re-adjust the scale in correct zero position for accurate counting operation.

K. [TARE] KEY reduces the gross weight on the platter (box or container etc.) as the tare weight.

L. [SAMPLE/UNIT] KEY is used when setting the counted sample numbers on the platter into scale memory. **[UNIT WEIGHT]** KEY is used when setting the known unit weight data into scale in normal operation.

N. [CE] KEY is used for canceling the numeric setting data or cancel the previous unit weight data.

O. [QTY/SET] KEY is used for the alternation of changing normal counting and quantity check operation.

SPECIFICATIONS

Model number	Capacity	Graduation	Platter Size
LCT -1500	3.3 lb	0.0001lb	227x337mm
LCT -3000	6.6 lb	0.0002 lb	227x337mm
LCT -7500	16.5 lb	0.0005 lb	227x337mm
LCT -15000	33 lb	0.001 lb	227x337mm
LCT -30000	66 lb	0.002 lb	227x337mm
LCT -50000	110 lb	0.005 lb	227x337mm
Net/gross weight	4.2kg / 5.1kg		
Package	Standard carton: $39 \times 39 \times 15.5$ (cm^3)		
	2Units in one box: $40 \times 40 \times 35$ (cm^3)		
Operating Temp.	0-40℃(32-104℉)		
Power source	Recharge Batteries or AC/DC		
	Adapter 10~12V/500mA (optional)		

FEATURES

- Auto zero tracking
- Low batter indication
- Large LCD
- Large square pan
- Stability indication
- Auto calibration
- Auto backlight
- unit: kg,lb
- with counting function

.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.

Calibration :

linearity calibration:

1. turn on the scale and than turn it off.

2. press and hold [TARE] and than turn on the scale, LCD will show LINE on first line,CAL-0 (flashed) on the second line and AD value on the third line.

3.When the AD value is stable, press [ZERO] to calibrate ZERO, after 2 or 3 seconds, the second line will show 1.0000.

4. Place 1kg weight on the platform , and press [ZERO] when the stable A/D value is displayed, after 2 or 3 seconds, the display will show 2.0000.

5. Place 2kg weight on the platform , and press [ZERO] when the stable A/D value is displayed, after 2 or 3 seconds, the display will show3.0000.

6. Place 3kg weight on the platform , and press [ZERO] when the stable A/D value is displayed, after 2 or 3 seconds, the display will show0.0000 and now calibration is finished.

7. 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 1-6.

Single segment calibration:

1. turn on the scale and than turn it off.

2. press and hold **[ZERO**] and than turn on the scale, LCD will show SCALE on first line, CAL-0 (flashed) on the second line and AD value on the third line.

3. Press **[SAMPLE/UNIT]** to select calibration unit kg or lb.

4. After the stable A/D value is displayed, press **[ZERO]** to calibrate ZERO, after 2 or 3 seconds, the second will show 0.

5. Set calibration weight through input 0 to 9 and than place the calibration weight you had set, Press **[ZERO]** to calibrate, after the stable indicator light, press **[ZERO]** key, the second line of display will show 00000 and now calibration is finished.

6. 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 1-6.

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P. 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.[SAMPLE/UNIT](lb/Kg). Press the key to selected weight unit;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 **[SAMPLE/UNIT]** 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 **[UNIT WEIGHT]** 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.

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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 **[SAMPLE/UNIT]** 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 **[ZERO]** key to selected, 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 **[TARE]** key to selected. when the display will show "L=0000"(L for flash), press digital key, input "990" then press **[TARE]** key again, input lower limit is complete. The display will show "H=0000"(H for flash), press digital key, input "1010" then press **[TARE]** key again, input upper limit is complete. (4) exit the quantity alarm menu: press **[QTY/SET]** key to exit the quantity alarm menu.

Ⅳ. **Function setting.**

1. Turn off the scale.

2. press and keep **[UNIT WEIGHT]** key then turn on the scale, the display will show-----and then b=ON/OFF on the first line, A-XX on the second line

and L=ON/OFF on the third line. Press **[QTY/SET]** to select activate or inactivate the function of the beep. Press **[TARE]** to select auto off time. Press **[ZERO]** key to select activate or inactivate the function of the backlight..

3. UNIT WEIGHT function: when there is no weights on the platform, press **[SAMPLE/UNIT]** key to select the unit(kg or lb). When there is something on the platform, press **[UNIT WEIGHT**] key to sample.

unit weight memory

1. Turn on the scale

2. Press 0 to 9 to input the unit weight you want to save.

3. Press **[STORE]** to confirm the unit weight and then the display will show "c   xxx" .

4. Press M1 to M9 within 2 seconds, the third line of the display will show " - - - -".

Unit weight transfer

1. Press **[CE]** to clear the memory, the second line of the display will show 0.

2. Press M1 to M9 to transfer the unit weight from memory.

Total weight clear

1. Press [**TOTAL**] to show total pieces on the third line of the display.

2. Press [**MC**] to show the unit which will be cleared.

3. Press **[CE]** to confirm clear.