

Operation Instruction



PC Series Electronic Balance



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4 Calibration

Turn on the scale and rapidly repeat press “ZERO” button three time. “AU-CAL” will show on the lower right corner of the screen , then put equal or not less than 20% of full range weights on weighing pan, calibration finished.

Notice:

Calibrate your instrument using reference weights of the appropriate tolerance (class).

An instrument can be no more accurate than the standard to which it has been compared.

For assistance in the selection of reference weights, please contact the factory.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user’ s authority to operate this equipment.

5 Maintenance

- 1.Please take good care of the scale for it’ s a precision instrument.
- 2.Place an object on the pan softly in less to destroy load cell for the power of moment hit is too heavy.

1.Summary

1-1 Brief introduction

Thank you for purchasing our company's counting scale. To ensure that you fully understand the use of the scale, please read this manual carefully before using it.

1-2 Main feature and use

The digital counting scale adopts load cell of high accuracy and large LCD display of easily read and operate. It includes following function:

1. Weight and count upper and lower limit alarm setting,
- 2.Tare, Count, Accumulation, Zero, Overload and Error Indication
3. Print and LP50 print multi-group format function to choose.
4. The scale can be used to measure the weight and quantity of projects in the areas of industry, agriculture, commerce, school and scientific institute.

1-3 Operating environment

This product is intended for indoor use.

- * Select a suitable work area.
- * Work area should be relatively free from drafts and vibrations.
- * Work surface should be level and rigid.

- * Do not locate near magnetic materials or equipment/instruments which use magnets in their design.
- * Avoid areas which have variations in room temperatures or have excessive room temperatures. Room temperatures above 40 or lower 0°C could affect instrument operation and accuracy.

1-4 Installation and notice

1-4-1 Open box and check

Open the packing box, please check whether there is any shipping damage, and if the product with the following contents:

***Manual *Instrument *Power cable**

1-4-3 Installation

Place scale at the stable and flat working platform, install the pan holder and pan in turn

1-4-4 Notice

- (1) The scale accepts AC input voltage of 110V or 220V. please confirm the correct voltage before using it.
- (2) The object cannot overload the full capacity of the balance.
- (3) If the scale e is not correct, please calibrate it firstly.

1-5 Specification

"ON" : Changes of the alarm and backlight are required for stable values.

"OFF": Changes of the alarm and backlight are not required for stable values.

3. Press the alarm preset button again to enter the "blk" mode:

"ON" : The red and yellow backlight for alarm mode are turned on .

"OFF": The alarm backlight are turned off.

4. Press the “Alarm” button again to enter the upper limit value setting. At this time, the screen displays “lim-hi” and the numeric keys are used to input the upper limit value.

5. Press the “Alarm” button again to enter the lower limit value setting. At this time, the screen displays “lim-lo” and the numeric keys are used to input the lower limit value.

6. Press the “Alarm” button again to start using the upper and lower limit alarm modes.

7. If you want to reset this mode or start a new check, press the “Alarm” button to enter the settings and repeat the above steps.

3-7 LP50 print mode setting

Long press “.” enter setting mode. The “InPAGE no.XXX” will show on display. XXX corresponding the pre-existing form of printer. Numeric key to choose numbers. “.” for confirmation the setting. “CE” to clear the XXX and re-input.

3-6-2 Preset weight alarm (weight mode)

1. Press the “Alarm” key to enter the mode. When the display is “weight”, press “Alarm” again to enter the mode setting. At this time, the screen displays “h L” and there are one or two “-” displays.

“h” is the upper limit, and “L” is the lower limit. Mode alarms for the relative position of “-” to “h” and “L”.

Eg:

hL-	Lower limit alarm
h-L	Middle limit alarm
h-L-	Middle and lower limit alarm
-hL	Upper limit alarm
-hL-	Upper and lower
-h-L	Upper and middle limit alarm

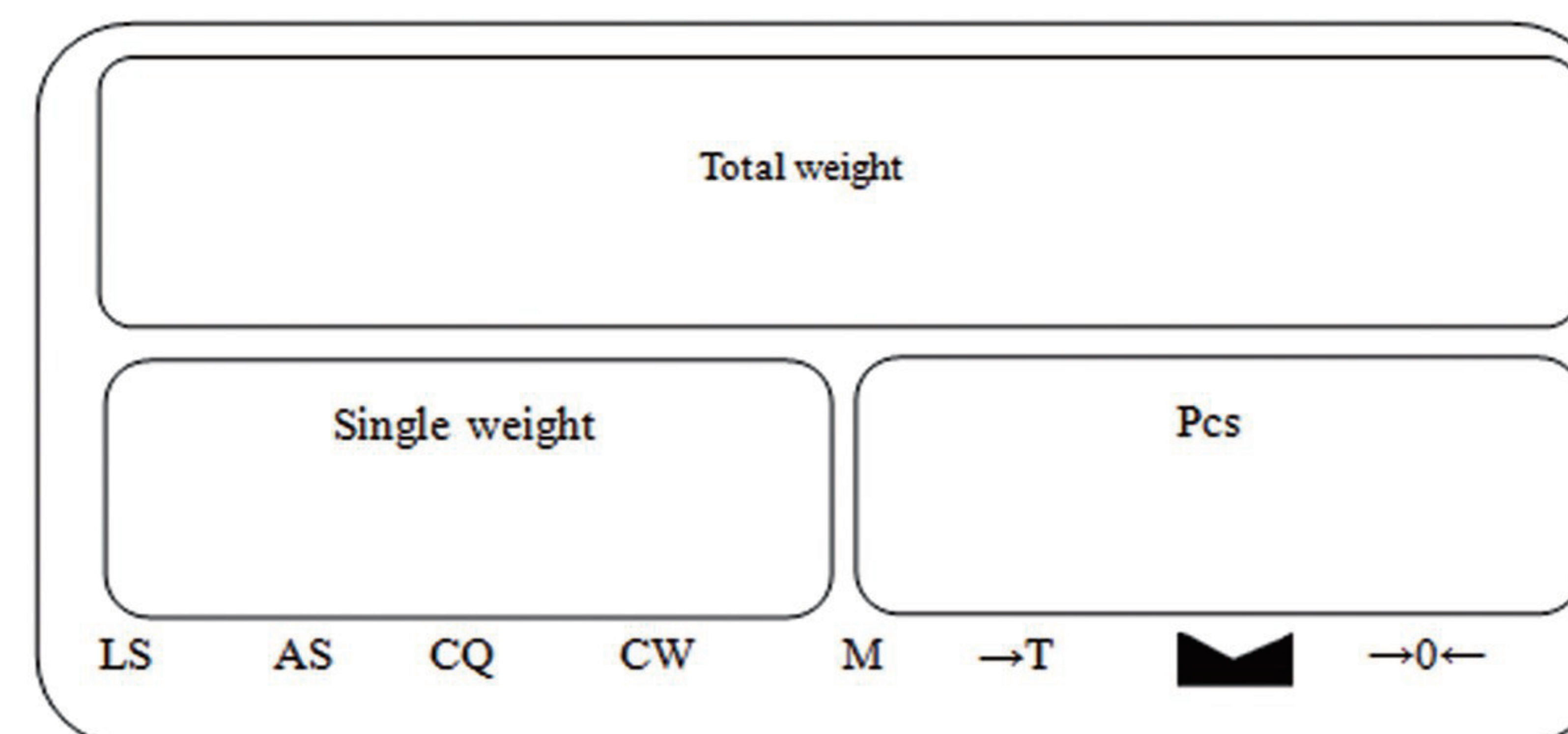
The upper limit alarm is red backlight and the lower limit alarm is yellow backlight.

2. Press the “Alarm” button again to enter the "Stable" mode setting:

Capacity	3kg	6kg	10kg	15kg	20kg	30kg	35kg	40kg
Division-A	0.05g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	1g
Division-B	0.1g	/	/	0.2g	0.2g	0.2g	/	/
Division-C	/	/	/	0.5g	/	0.5g	/	/
Division-D	/	/	/	/	/	1g	/	/
Pan size	275*230mm							
Dimension	295*340*120mm							
Power	110V/60HZ or 220V/50HZ							
RS232	Optional							
printer	Optional							

2.Display And Button Instruction

2-1 Display instruction



LS	Light Sample
AS	Add Sample
CQ	Check Quantity
CW	Check Weight
M	Currently in accumulation mode
T	Tare
0	Zero

2-2 Button instruction

On/Off Switch	Turns instrument On or Off.
0 - 9	Numeric keys. Used for setting numeric data for tare weight, sample number, sample weight, or limit number of checking.
.	a. Decimal point. b. Long press for LP50 printer function.
CE	Used for canceling the numeric setting data.
ZERO	a. Weight from Zero. b. Long press to exchange the quantity and weight
TAR	Reduce gross weight on pan as tare weight.
PCS/SET	Used for parts counting.
WT/SET	Used for the alternation of changing normal counting
P	a. Press for print function. b. Keep long press for cancel upper and lower limited setting.
Alarm	Used to set the upper and lower limits of weight and quantity.
M+	Used for accumulating the sub-total data.
MC	Memory clean.

"ON" : Changes of the alarm and backlight are required for stable values.

"OFF": Changes of the alarm and backlight are not required for stable values.

3. Press the alarm preset button again to enter the "blk" mode:

"ON" : The red and yellow backlight for alarm mode are turned on .

"OFF": The alarm backlight are turned off.

4. Press the “Alarm” button again to enter the upper limit value setting. At this time, the screen displays “lim-hi” and the numeric keys are used to input the upper limit value.

5. Press the “Alarm” button again to enter the lower limit value setting. At this time, the screen displays “lim-lo” and the numeric keys are used to input the lower limit value.

6. Press the “Alarm” button again to start using the upper and lower limit alarm modes.

7. If you want to reset this mode or start a new check, press the “Alarm” button to enter the settings and repeat the above steps.

3-6-1 Preset number alarm (count mode)

1. Press the “Alarm” key to enter the mode. When the display is “count”, press “Alarm” again to enter the mode setting. At this time, the screen displays “h L” and there are one or two “-” displays.

“h” is the upper limit, and “L” is the lower limit. mode alarms for the relative position of “-” to “h” and “L”.

Eg:

hL-	Lower limit alarm
h-L	Middle limit alarm
h-L-	Middle and lower limit alarm
-hL	Upper limit alarm
-hL-	Upper and lower alarm
-h-L	Upper and middle limit alarm

The upper limit alarm is red backlight and the lower limit alarm is yellow backlight.

2. Press the “Alarm” button again to enter the "Stable" mode setting:

3. Operation instruction

3-1 Getting Started

Turn the instrument on by pressing the power switch on. The display will down count from 999999... while the unit is being updated.

Allow the unit to warm-up for 30 minutes.

3-2 TARE and ZERO

1. Put the container on the pan, it will display the weight value.
2. Press “TAR” until zero show in screen, put the weighing objects in the container to get the net weight.
3. Remove empty container off, digital screen showing negative number, press “TAR” again, the weight display return to zero.
4. Press “ZERO” before weighing to ensure weighing start from zero.

3-3 Counting function

The items used for counting must be standard parts, individual unit weight difference should not big.

3-3-1 PCS/SET and WT/SET

1 PCS/SET

*sample size can be changeable

- (1). Put the samples with noted quantity on the scale, directly input the actual quantities via numeric keys, then press “PCS/SET” to finish setting
- (2).Increase quantities, the counting window will follow to change. Meantime, the total weight window and unit weight window will follow to show the single unit weight and total weight.

2 WT/SET

* Used to count the quantity when the unit weight is known

- (1).Directly input the unit weight via numeric keys, press “WT/SET” finish the setting. Increase quantities, the counting window will follow to change. Meantime, the total weight window and unit weight window will follow to show the single unit weight and total weight.

* Press “CE” key to cancel the piece weight setting.

3-4 PIECE WEIGHT too light alarm

▼ will point to LS and AS; when the averaged piece weight or set piece weight is not enough for accurate counting operation. Operator still can use the scale, but counting error may occur.

3-5 Accumulation Function

3-5-1 “M+” for accumulation weight and quantity

*This function can be accumulating the sub-total piece counts one time.

- 1.Put the goods on the pan, press “M+” after weight showing in the screen, when the weighing is stable, remove out the goods and the screen will return to zero.
- 2.Put the second counting goods on the weighing pan, press “M+” again, the weight will show on the screen again, remove out the goods after weighing is stable, the screen will return to “0” , repeat the above operation.
- 3.After finished the weighing, press “M+” under “0” show on screen, the total weight displayed on the screen.

3-5-2 Press “MC” to delete all data in Grand-Total

3-6 Alarm setting

There are two kinds of alarm mode: Count and Weight. The mode can be entered via press the key of “Alarm” . Press “ZERO” button to exchange the two functions.