[Precautions]

The scale should always be used in an environment, which is free from excessive air currents, corrosives, vibration, and temperature or humidity extremes. These factors will affect displayed weight readings. Before starting the operation of the scale, please read the following instructions below to operate the scale properly.

DO NOT use the scale:

- next to open windows or doors causing drafts or rapid temperature changes.
- near air conditioning or heat vents.
- near vibrating, rotating or reciprocating equipment.
- near magnetic fields or equipment that generates magnetic fields.
- on a rough work surface

1. Loosen the delivery protection screw (this screw can't be removed)

Please find the delivery protection screw in the bottom of the scale. Loose it according to the instruction sticker next to it

- Before use the scale Loose the screw <u>counter-clockwise</u> to the end
- Before move the scale Tighten the screw clockwise to the end

2. Install the weighing pan

Put on the weighing pan to complete the installation.

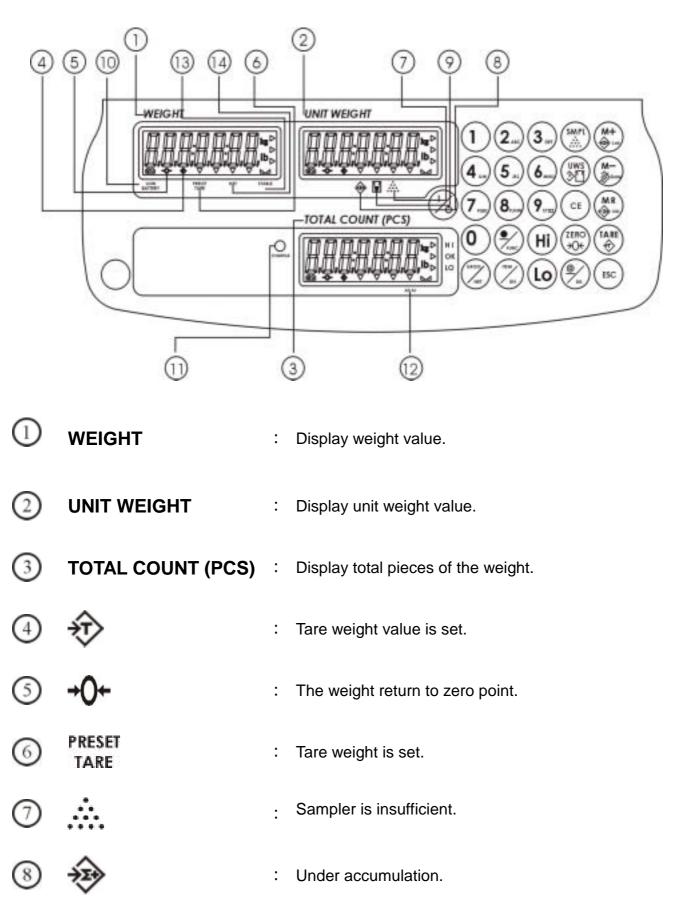
3. Leveling the scale

The scale is equipped with four level adjusters. Adjust the scale to a level position with four level adjusters until the bubble appears in the center circle of the level indicator.

4. Recharging battery

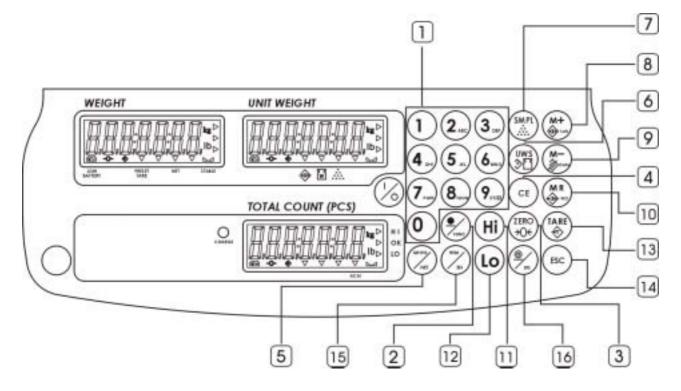
Recharging battery when the battery sign 🖽 starts blinking. When battery is being charged, the LED indicated by the word CHARGE on the display panel will be RED, the LED will become <u>GREEN</u> when the indicator has been charged to full capacity (charging time is about <u>8 hours</u>).

[Function Keys]



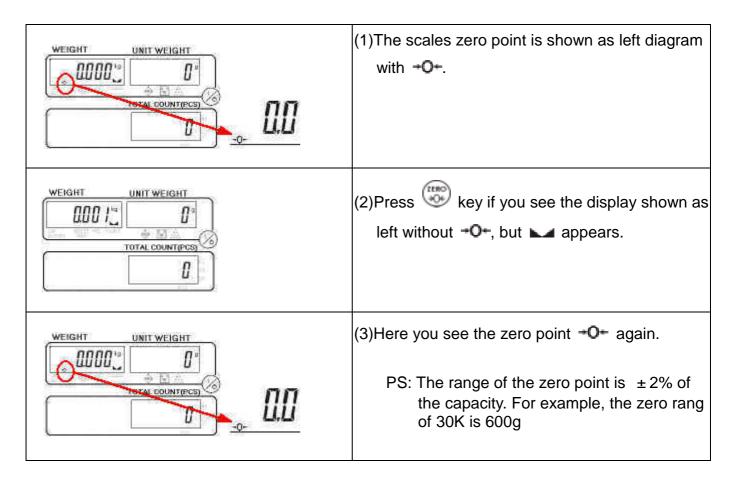
9	3 C W	The unit weight is lower than 4/5 e.
10	<u>6</u> 2	Battery is low.
11	CHARGE :	Red LED light is on while the battery is Charging; Green LED light is on when Charging is completed.
12	ACAI	ACAI is enabled.
13	STABLE	The weight value is stable.
(14)	NET :	Net weight.

[Keyboard]

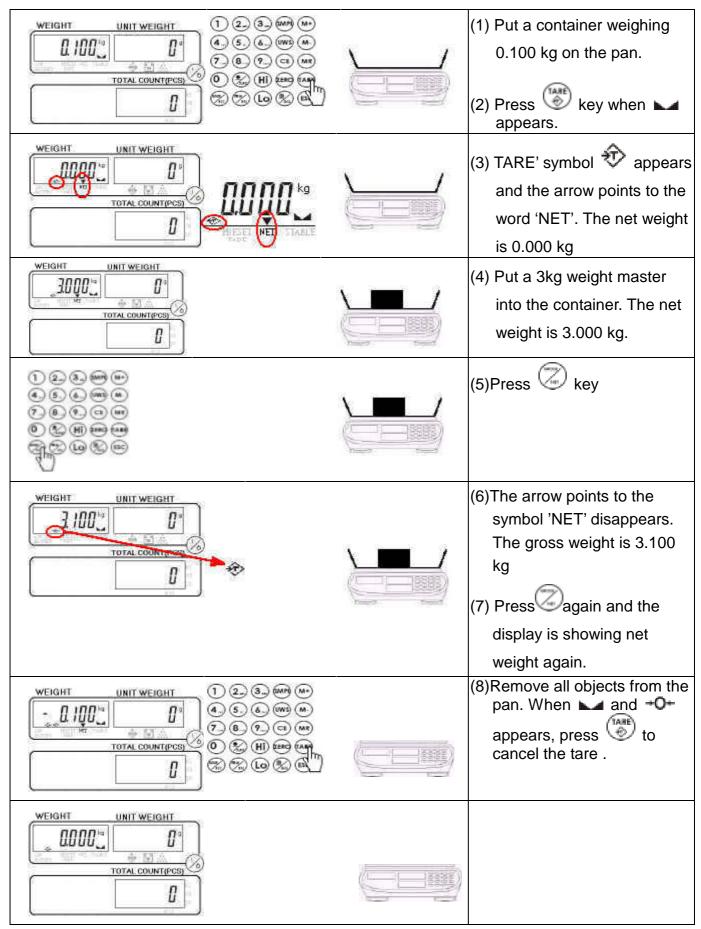


V02

			V02
1	0 ~ (9m)	:	Number & letter keys. 9 as space key when edit label.
2	۲.	:	To key in decimal point / to enter function setup.
3	(THRO +O+	:	To reset the weight to zero .
4	CE	:	To clear the key-in.
5		:	To switch Gross / Net weight.
6	(Juws)	:	Input Unit Weight.
7	SMPL	:	To sampling.
8	(M+ (2)	:	To Accumulate / To enter label editing mode / To next parameter.
9		:	To delete the accumulated data / to display year, date, time / To previous parameter.
10		:	To call up an accumulated data / to access the accumulated data.
11	Hi	:	To select / to set the Hi value of weight or piece / To change to next content of parameter.
12	lo	:	To select / to set the Lo value of weight or piece / To change to previous content of parameter.
13		:	Tare.
14	ISC	:	To give up any setting and return to normal weighing status.
15		:	To set/call up unit weight ID ; To enable / switch on relay output function under Hi/Lo setting.
16	() ()	:	To print ; To disable / switch off relay output function under Hi/Lo setting.



[Tare]

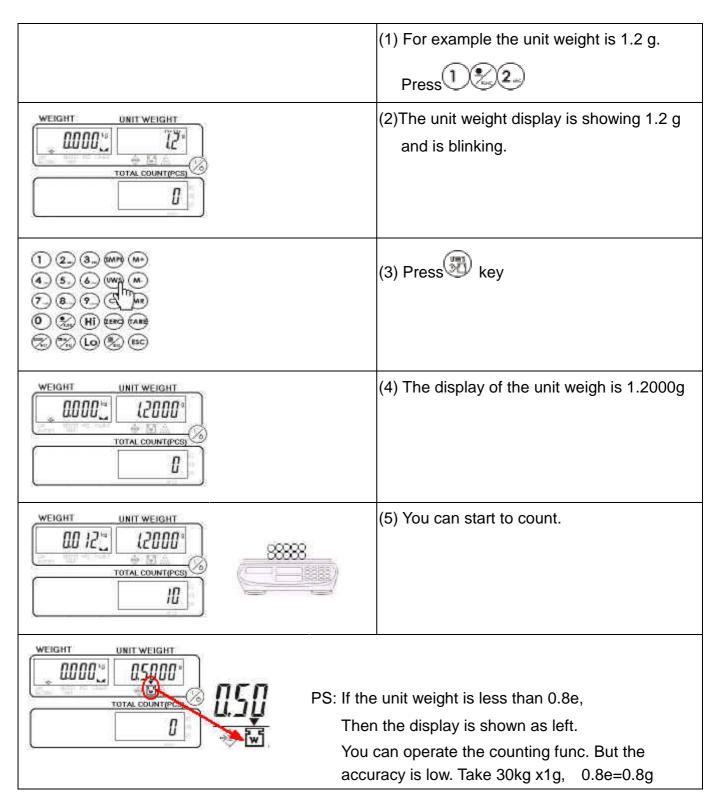


6

[Pre-Tare]

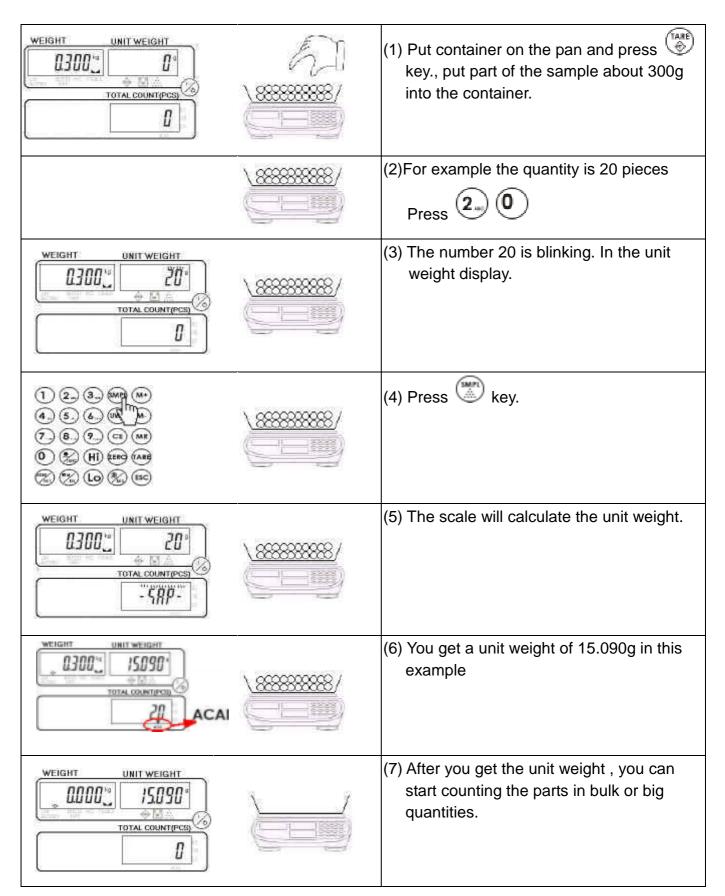
	(1)For example the container is weighing 123g , then press 1 2 3.
	(2)The 123g are blinking in the unit weight display
123 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	(3) Press 🛞 key
	(4) The arrows point the 'NET' & 'PRESET TARE' symbol <section-header> in the weight display.</section-header>

[Counting Method 1— Key In Unit Weight]

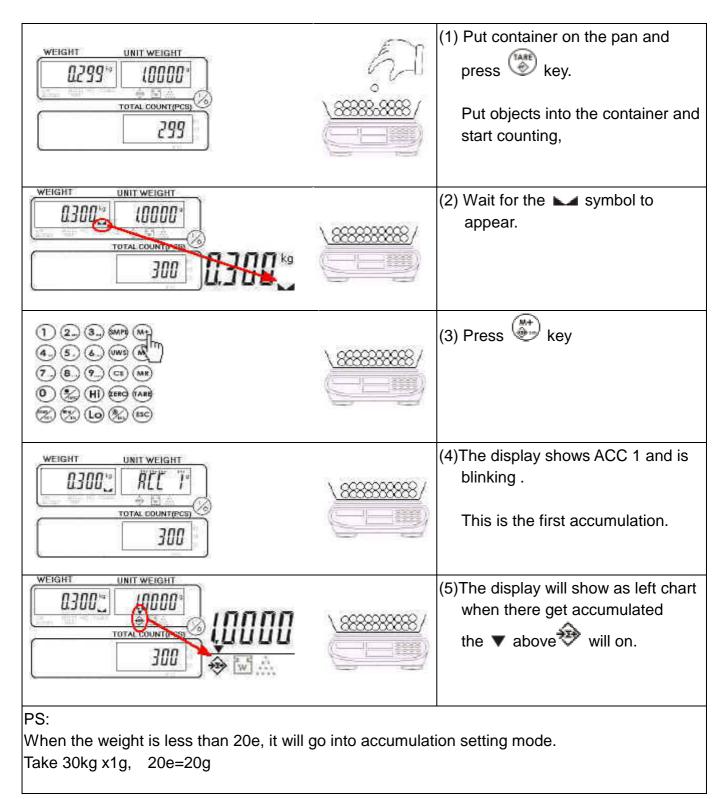


Note: When the scale have a unit weight in the unit weight display, and if you turn off the scale it will memorize the unit weight. This means that when you turn on the scale again the previously unit weight will again appear in the unit weight display.

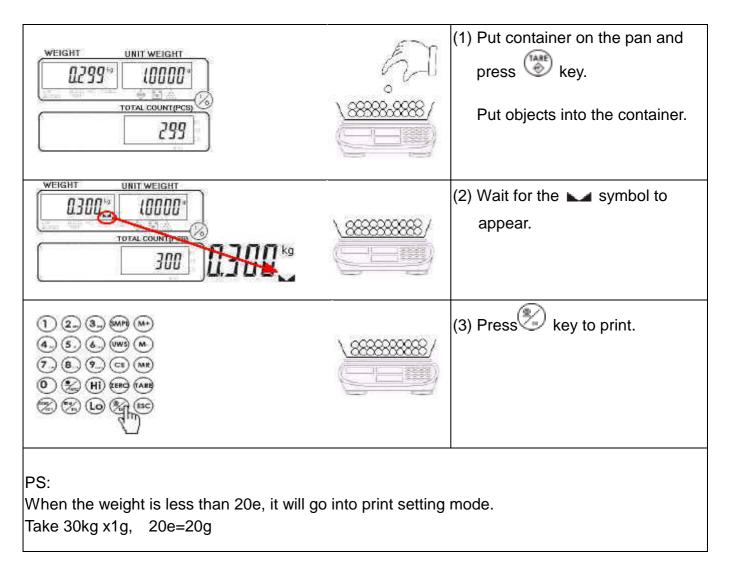
[Counting Method 2—Sampling]



[Manual Accumulation]



[Manual Print]

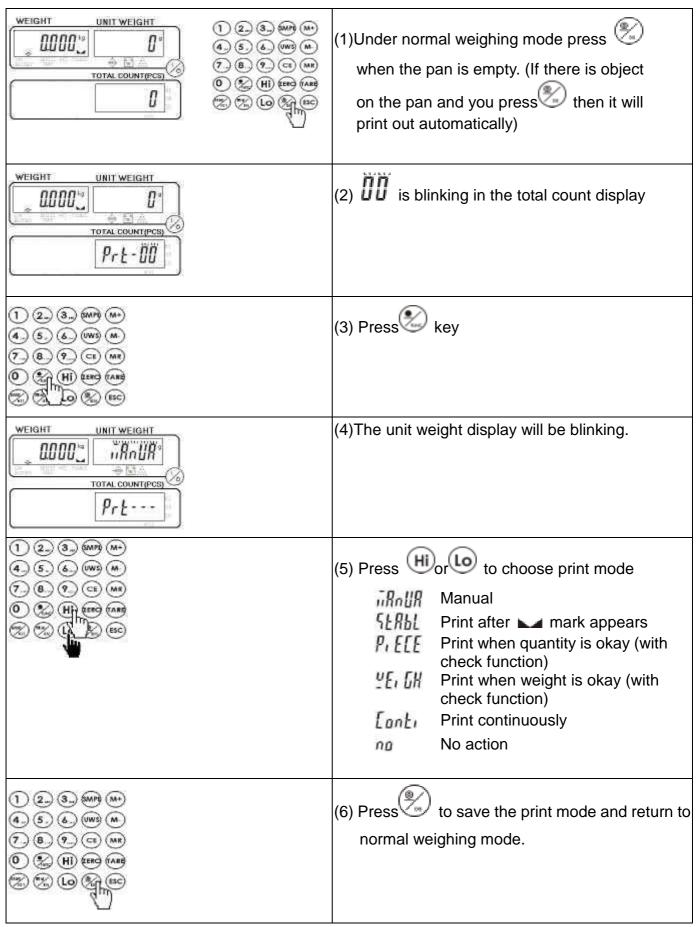


[Set / Choose A Print Form]

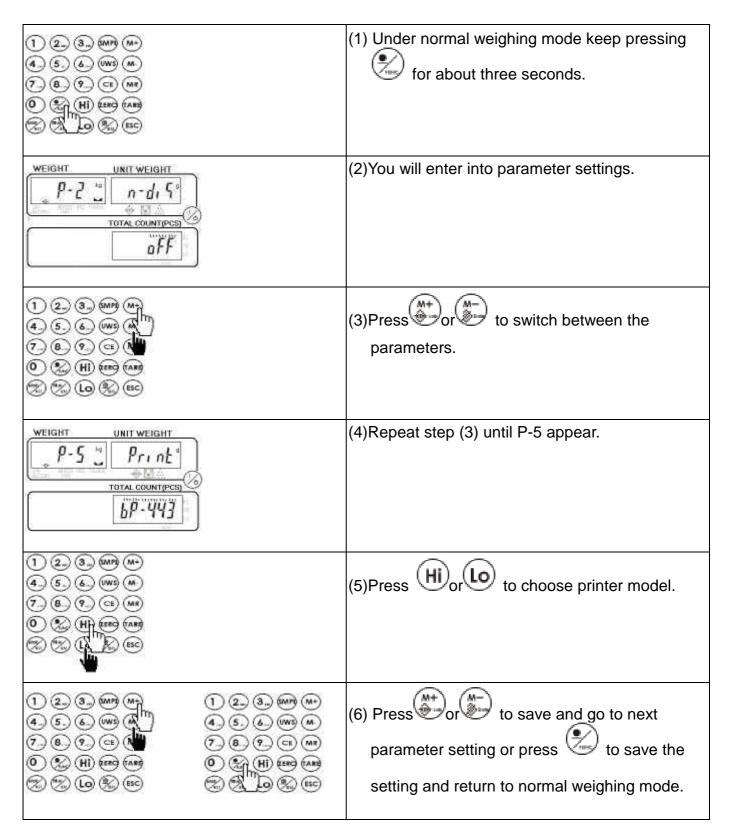
EZ-2P/BP-443D set 0~99 forms; SH-24 set 0~15 forms

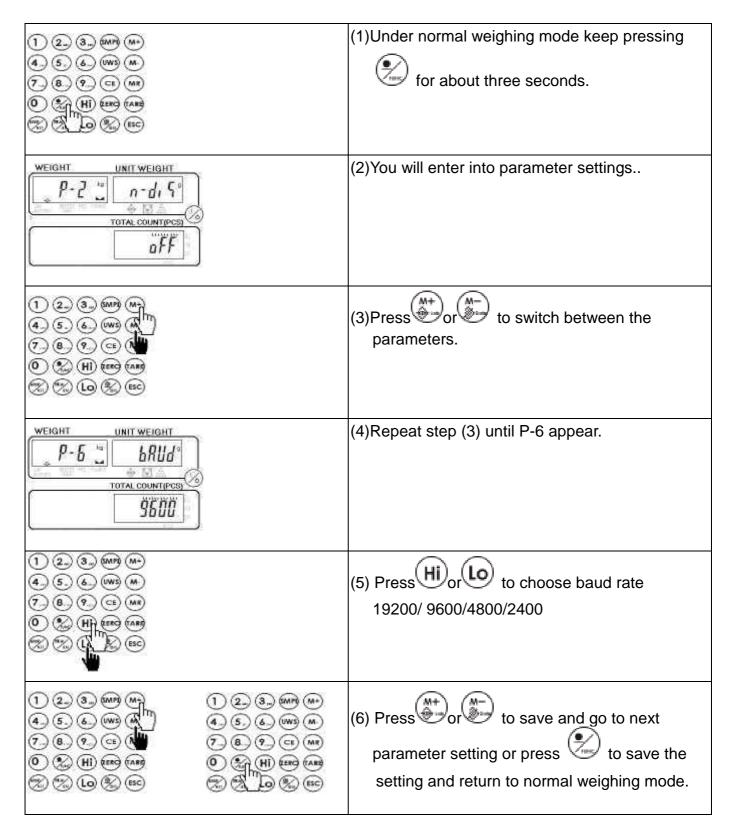
	123. 456. 789. 89. 89. 80. 80. 80. 80. 80. 80. 80. 80. 80. 80	 (1) Under normal weighing mode press when the pan is empty. (If there is object on the pan and you press then it will print out automatically)
		(2) III is blinking in the total count display
1 2 3		(3) For example if you wish to print the 9th form, press and,
		(4)You will see Prt- 9 blinking in the total count display (press rif you want to choose another print form and repeat step (3))
1 2 3		(5)Press key to complete the setting and return to normal weighing mode.

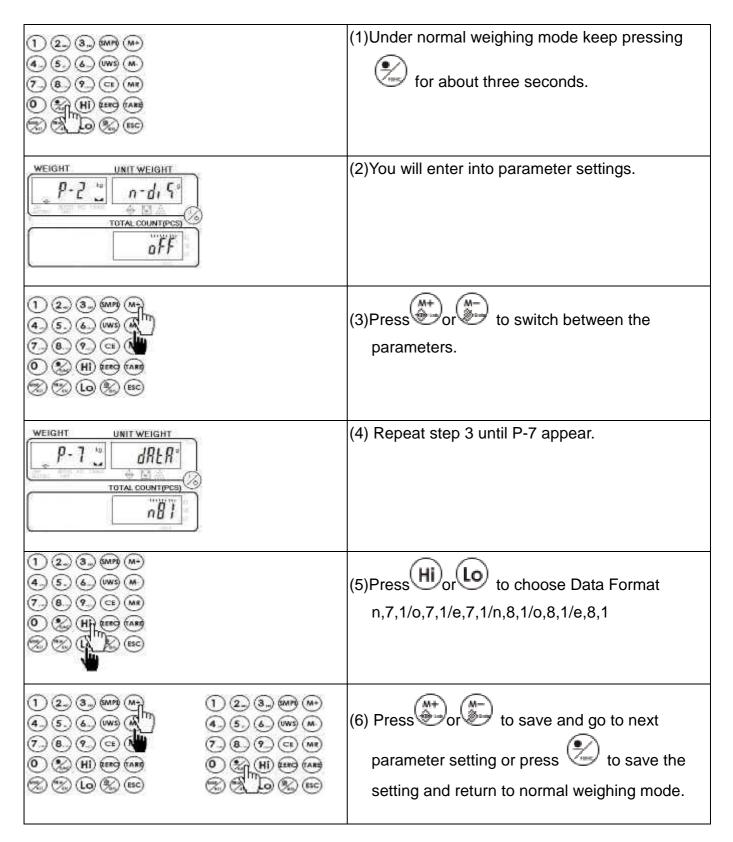
[Set Print Mode]



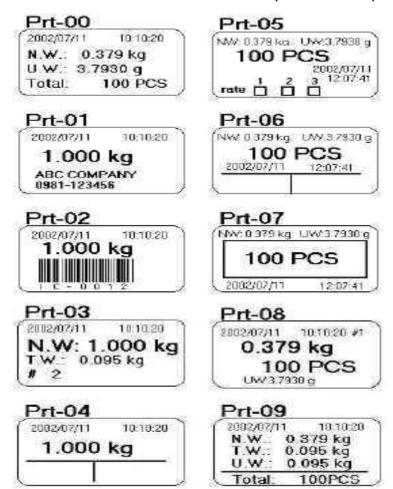
[Select The Printer Model]







[Samples Of BP-443D / EZ-2P Print Forms]



10 print forms is preset by manufacturer

Note :

- (1) Please contact your supplier/-dealer for additional EZ-2P & BP-443D print forms.
- (2) A memory card has to be installed in EZ-2P. (BP-443D memory card is standard)
- (3) A RTC-device has to be installed in EZ-2P if you need to print time/-date. (BP-443D RTC is standard)
- (4) The print forms are installed into the printers through PC. Please email us and we will make the requested print form for you.

[Sample Of SH-24 Print Forms]16 forms

Prt-00 0.379kg 3.7930g 100PCS N.W: 0.379 kg U.W: 3.7930 g N.W: 0.379 kg Prt-08 Prt-08 T.W: 0.100 kg TOTAL: 100 PCS G.W: 0.479 kg 2002/01/01 00:09:23 Prt-01 Prt-09 0.379kg 3.7930g 100PCS 2002/01/01 00:09:23 Prt-09 2002/01/01 00:09:23 N.W: 0.379 kg T.W: 0.100 kg N.W: 0.379 kg U.W: 3.7930 g Prt-02 ABC COMPANY G.W: 0.479 kg TOTAL: 100 PCS 0918-123456 0.379kg 3.7930g 100PCS Prt-10 ABC COMPANY ABC COMPANY Prt-10 0918-123456 0918-123456 Prt-03 N.W: 0.379 kg T.W: 0.100 kg 2002/01/01 00:09:23 N.W: 0.379 kg U.W: 3.7930 g TOTAL: 100 PCS ABC COMPANY G.W: 0.479 kg 0918-123456 0.379kg 3.7930g 100PCS Prt-11 Prt-11 2002/01/01 00:09:23 2002/01/01 00:09:23 ABC COMPANY ABC COMPANY Prt-04 0918-123456 0918-123456 0.379kg 3.7930g 100PCS N.W: 0.379 kg U.W: 3.7930 g N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg Prt-05 TOTAL: 100 PCS 2002/01/01 00:09:23 #1 Prt-12 #1 Prt-12 0.379kg 3.7930g 100PCS #1 N.W: 0.379 kg U.W: 3.7930 g N.W: 0.379 kg T.W: 0.100 kg TOTAL: 100 PCS Prt-06 ABC COMPANY G.W: 0.479 kg 0918-123456 Prt-13 2002/01/01 00:09:23 Prt-13 2002/01/01 00:09:23 #1 #1 #1 0.379kg 3.7930g 100PCS N.W: 0.379 kg U.W: 3.7930 g N.W: 0.379 kg T.W: 0.100 kg TOTAL: 100 PCS G.W: 0.479 kg Prt-07 2002/01/01 00:09:23 ABC COMPANY ABC COMPANY Prt-14 Prt-14 ABC COMPANY 0918-123456 0918-123456 0918-123456 #1 #1 #1 0.379kg 3.7930g 100PCS N.W: 0.379 kg U.W: 3.7930 g N.W: 0.379 kg T.W: 0.100 kg TOTAL: 100 PCS G.W: 0.479 kg When *RLLD* appear under Prt-15 2002/01/01 00:09:23 2002/01/01 00:09:23 Prt-15 Display of accumulation, ABC COMPANY ABC COMPANY 0918-123456 0918-123456 press 🖄.the printout will #1 #1 N.W: 0.379 kg U.W: 3.7930 g TOTAL: 100 PCS N.W: 0.379 kg T.W: 0.100 kg like as following. G.W: 0.479 kg 2002/01/01 00:09:23 ABC COMPANY

Prt08-15 print forms with unit weight Prt08-15 print forms with tare weight

Note :

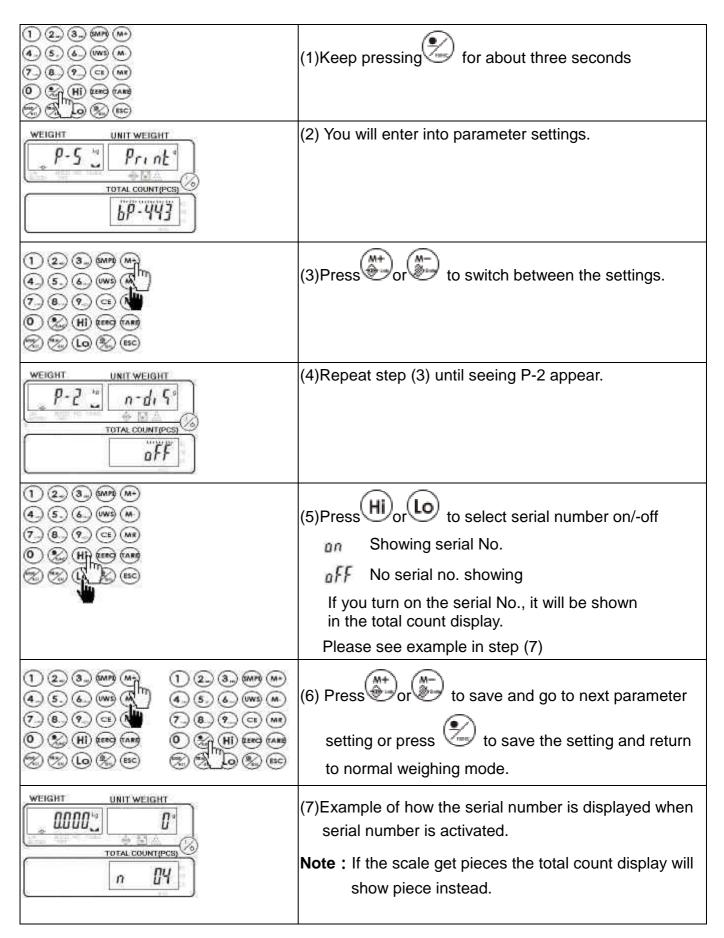
0918-123456

U.W.=10.000 g

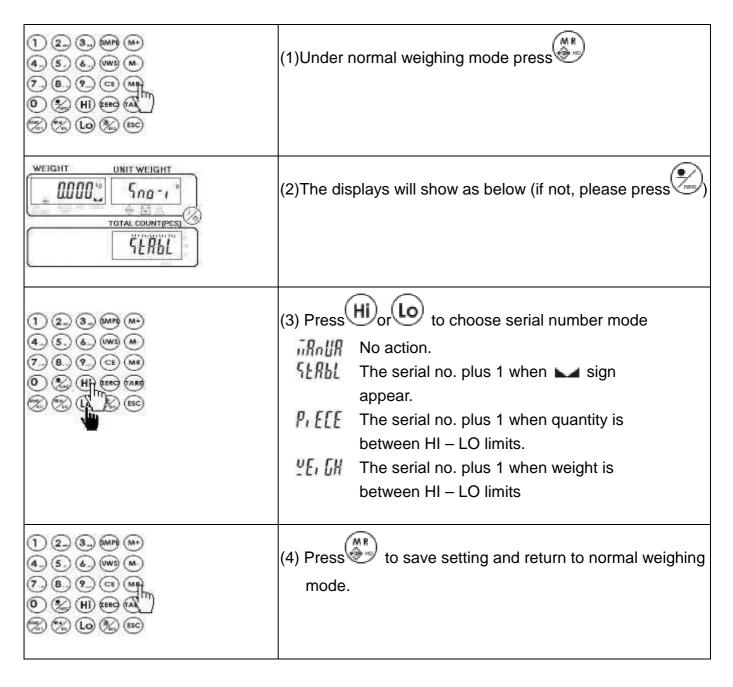
1) 0.100 kg 10 PCS 2) 0.100 kg 10 PCS 3) 0.100 kg 10 PCS 0.300 kg 30 PCS

- If you wish the SH-24 should be able to print date & time, the scale needs an optional module RS-232+RTC.
- (2) If you have a printer that you think is compatible with the SH-24, then just connect the scale and the printer and remember to choose print model **normal** (even it is not the SH-24). Please choose own of the print formats from Prt-00 to Prt-15 and if the print appears correct, means that the printer is compatible with the SH-24.

[Activate The Serial Number Function]

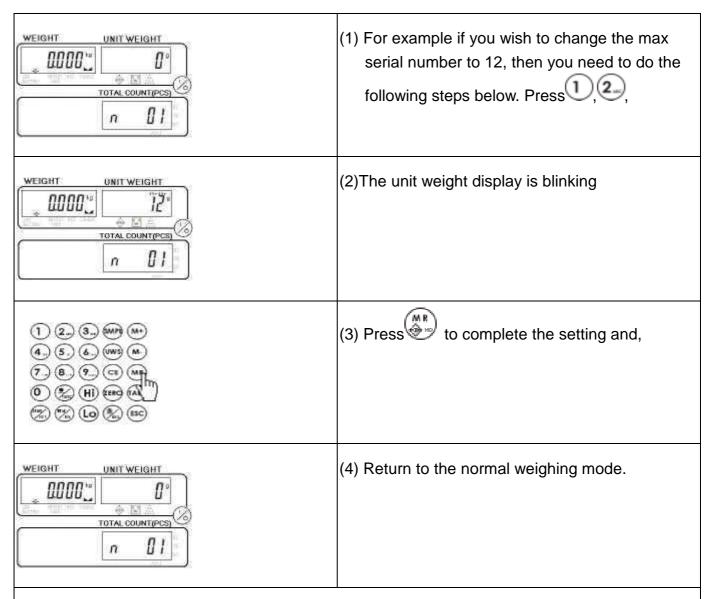


[Set The Serial Number Mode]



[Set Max Serial Number]limit 99999

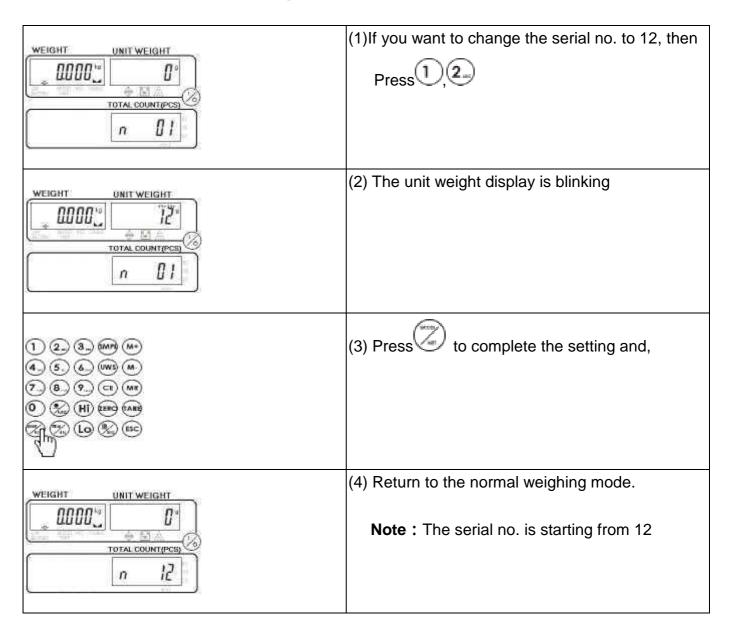
The max serial number is 99999, but you can change the max serial number as shown below.



Note:

When the serial number reach the max, the unit weight display will flash and beep for 3 second, afterwards return to normal weighting mode.

And because it already reached the max serial number, it will reset to 1 when the serial number do increase 1.

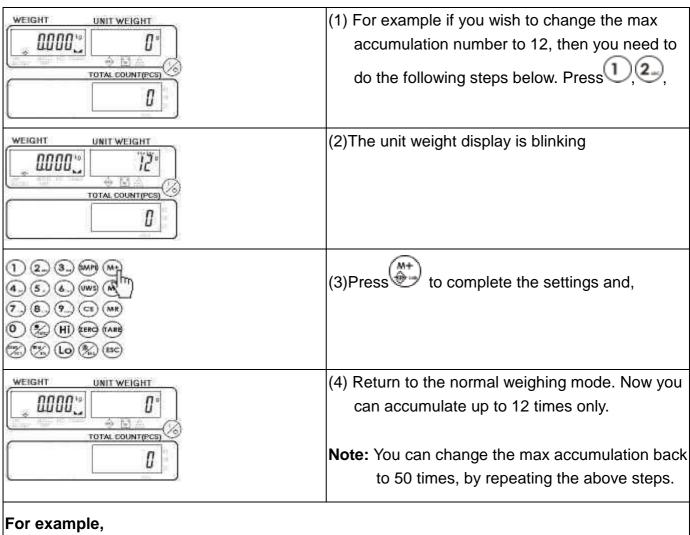


[Set / Choose Accumulation Mode]

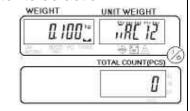
WEIGHT UNIT WEIGHT (1 2. 3. WP WH UNIT WEIGHT (1 2. 3. WP WH (1 3. 3. WP WH	(1)Under normal weighing mode and when the pan is empty then press (If there is a object on the pan, it will accumulate.)
	(2)The display of the total count is blinking.
	 (3) Press Horio to choose accumulation mode iRn IIR Manual SERBL Accumulate when sign appear Pr EEE Accumulate when quantity is between HI – LO limits YEr ER Accumulate when weight is between Hi – LO limits.
	(4) Press to save the settings and return to normal weighing mode.

[Set The Max Amount Of Accumulations] the limit is 50

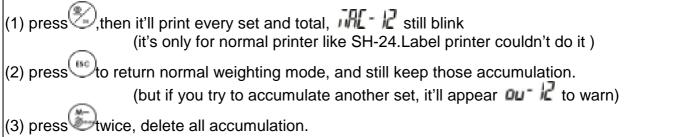
The max accumulation number is 50, but you can change the max accumulation number as shown below.



max amount of accumulations=12, when accumulate to 12 amount, the displays will show as following, and beep for 3 second, but $\frac{1}{10}$ still blink waiting operator to do action.



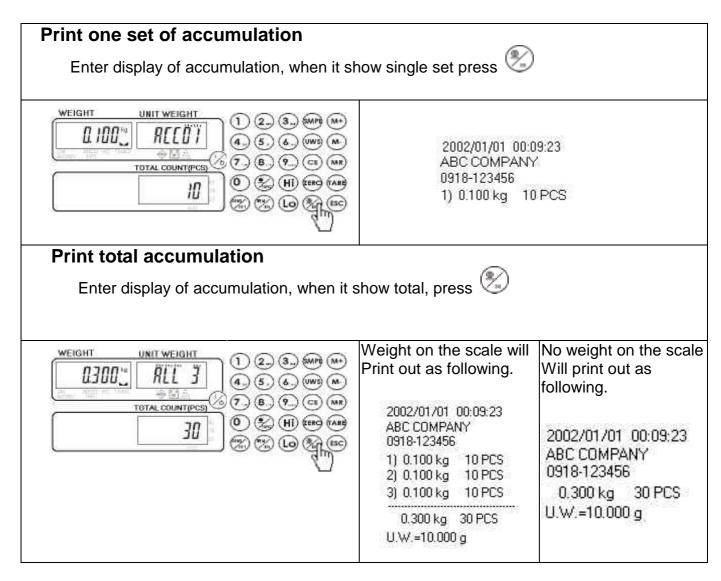
3 Actions as following



[Display Of Accumulation]

123. 456. 7699 9200 800 800 800 800 800 800 800 800 800	(1) Under normal weighing mode press
	(2)The display will show the value of the last accumulation
	(3)Repeat step (1) and you will see the total accumulations.
	(4)Press any number key to select a certain accumulation. Example, to select the 12 accumulation press 1,2
	(5)The display will show the twelfth accumulation. NOTE : You can press CE, then repeat step (4) to see the accumulation that you want.
	(6)If you press 1,3 then the display will show the amount of the all accumulations, since there is no accumulation number 13
123. 456. 769. 69. 89. 89. 80. 80. 80. 80. 80. 80. 80. 80. 80. 80	(7)Press and return to the normal weighing mode.

[Print While Display Of Accumulation]only for SH-24



[Delete Accumulations]

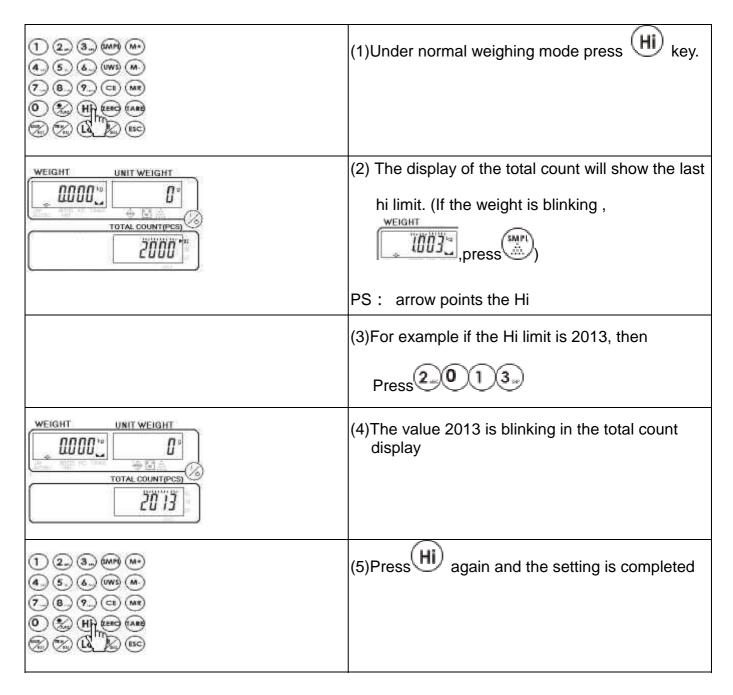
Delete one single accumulation

	(1) Enter the Display of accumulation.
	(2) Press any number key to select a certain accumulation Example to select the 12 accumulation press 1,2
	(3)The display will show the twelfth accumulation.
123.00 456.00 78900 08000 10000 10000 10000 10000	(4)Press to delete the twelfth accumulation value.
	(5)The display will now show as left chart.
123. 456. 787. 89. 89. 80. 80. 80. 80. 80. 80. 80. 80. 80. 80	(6)Repeat steps (2)(3)(4) to delete the accumulation value you don't need. Then press and return to the normal weighing mode.

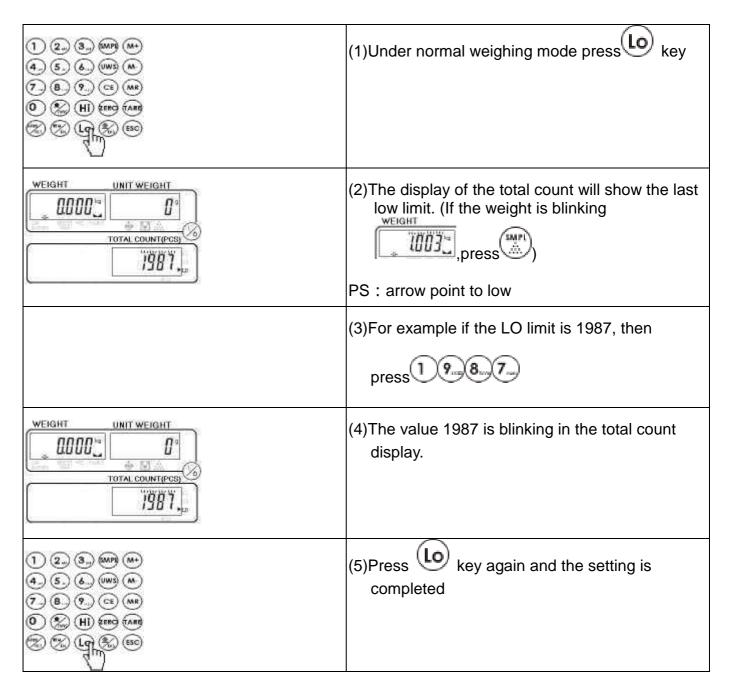
Delete all accumulation

	(1) To delete all accumulation it is important to have all accumulation appearing in the unit weight display like ALL 12
12.3	(2)Press
	(3) If you want to delete all accumulation then go to step 4 and if you don't want to delete all accumulation go to step 5.
1 2 3 ∰ ∰ 4 5 6 ∰ ∰ 7 8 9 9 € 1 ∰ ∰ 8 % © 8 % © 8 % © 8 % ©	(4)Press again to delete all accumulations. The scale returns automatically to the normal weighing mode.
123. 456. 7.6.9. 0. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	(5)If you don't want to delete, press and return to the normal weighing mode.

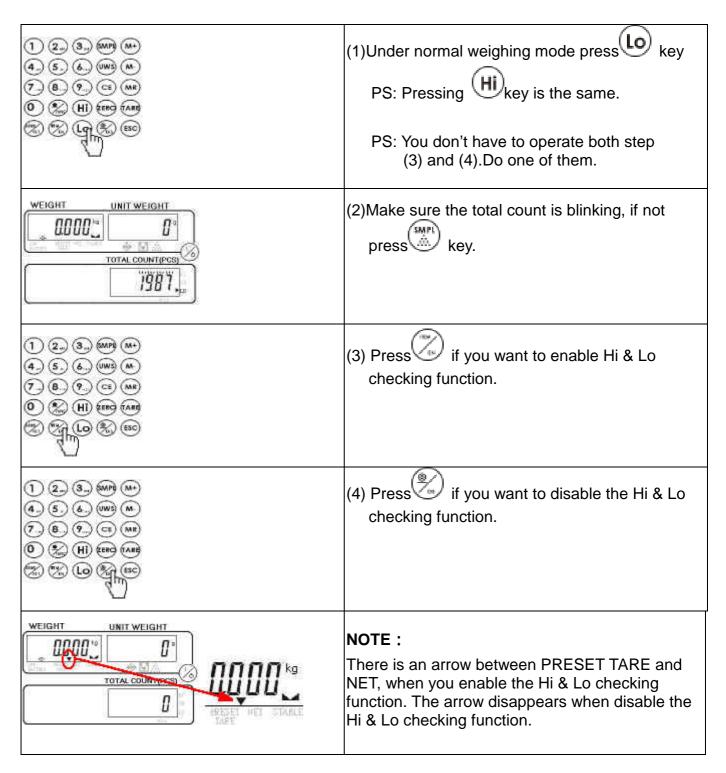
[Set The High Limit Of The Pieces]



[Set The Low Limit Of The Pieces]

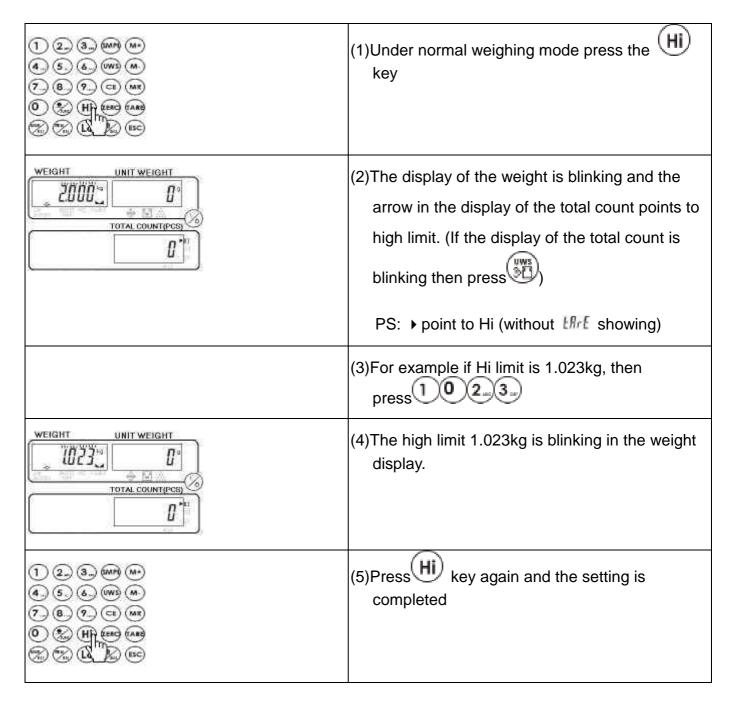


[Enable / Disable The Piece Checking Function]

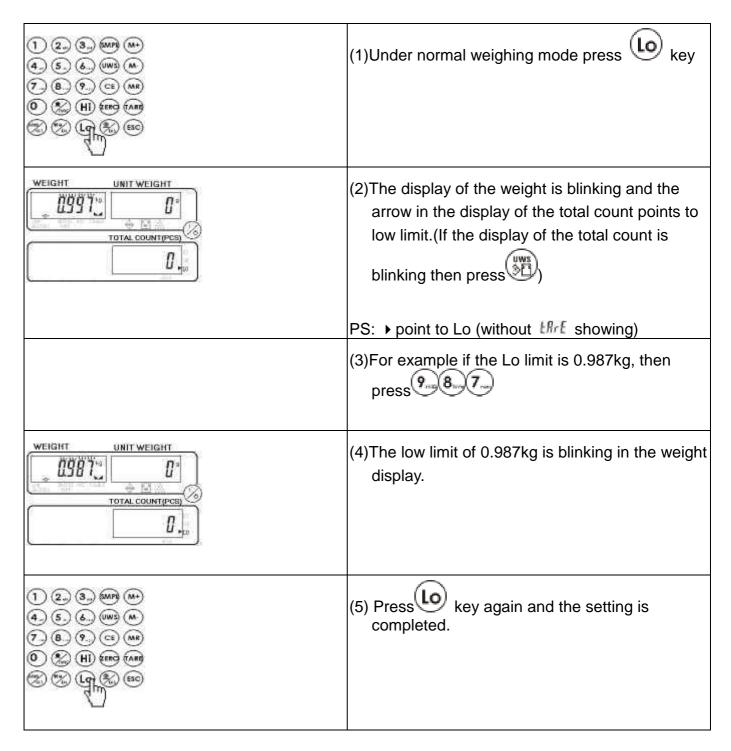


Execute step(1)(2)(3) to enable Hi/Lo checking Function (Now light tower is available) Execute step(1)(2)(4) to disable Hi/Lo checking Function

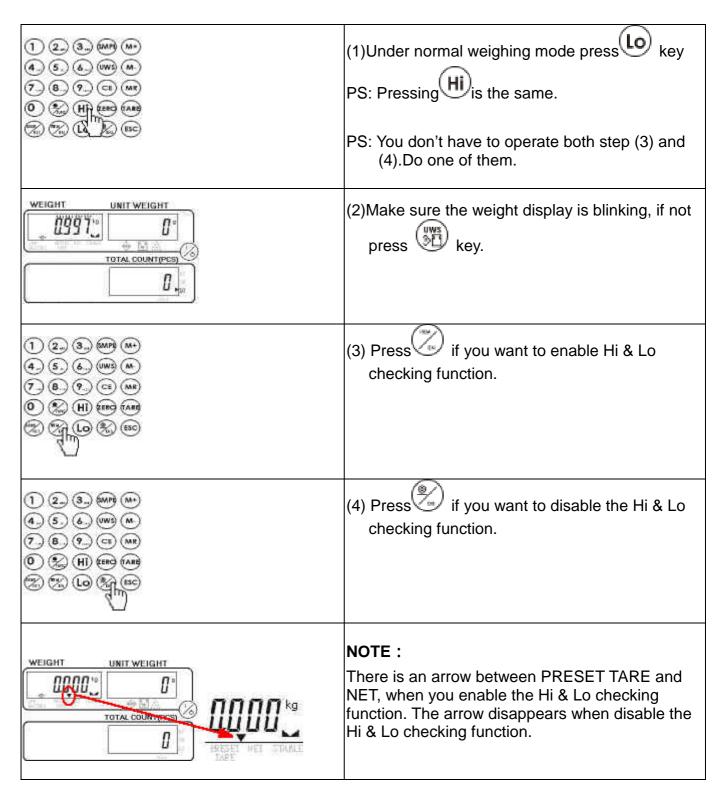
[Set The High Limit Of The Weight]



[Set The Low Limit Of The Weight]

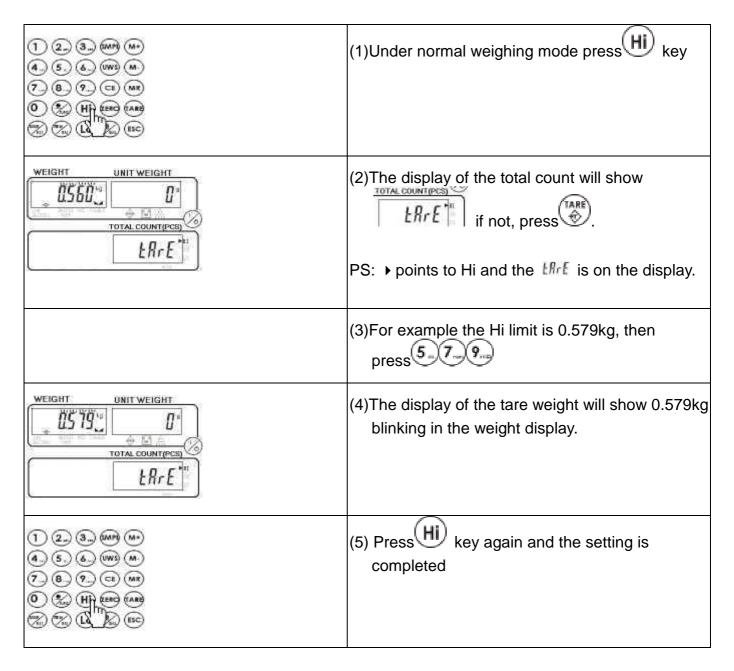


[Enable / Disable The Weight Checking Function]

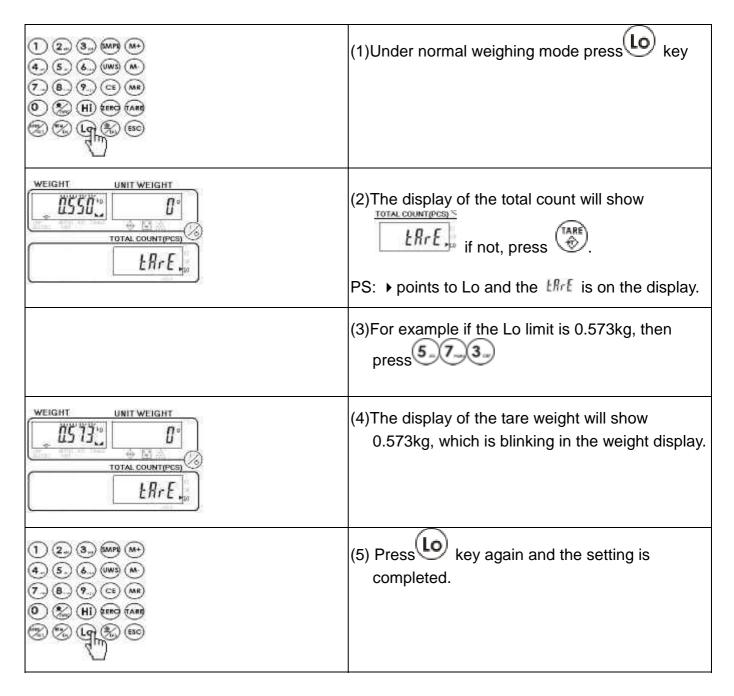


Execute step(1)(2)(3) to enable Hi/Lo checking Function (Now light tower is available) Execute step(1)(2)(4) to disable Hi/Lo checking Function

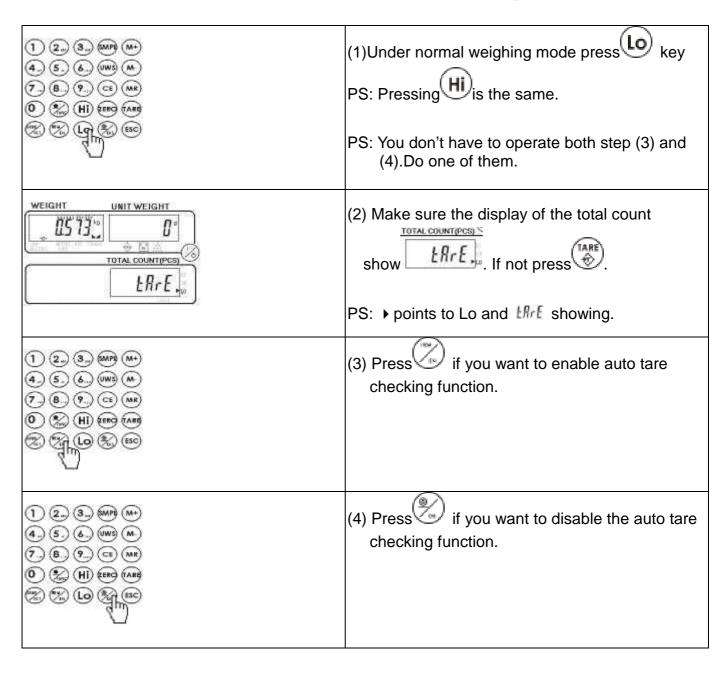
[Set The High Limit Of The Tare Value]



[Set The Low Limit Of The Tare Value]



[Enable / Disable The Auto-Tare Checking Function]



Execute step(1)(2)(3) to enable Auto-Tare Function Execute step(1)(2)(4) to disable Auto-Tare Function

[Saving ID - Method 1]

Possible to save up to 50 ID

	(1) Under normal weighing mode press
	(2) The unit weight display is blinking.
12800 68600 08800 894080	(3) Press key
	(4) Key in a number from 0 to 49.
	(5) Press 12 for example.
WEIGHT UNIT WEIGHT	 (6) The ID 12 should be blinking in the total count display. (If you want to save into another ID, then press Then you need to do step (5) again)
123®® 466®® 786®® 888®®	(7) Press to confirm.
	(8) You have now saved 1.2300g into the ID-13.

[Saving ID - Method 2]

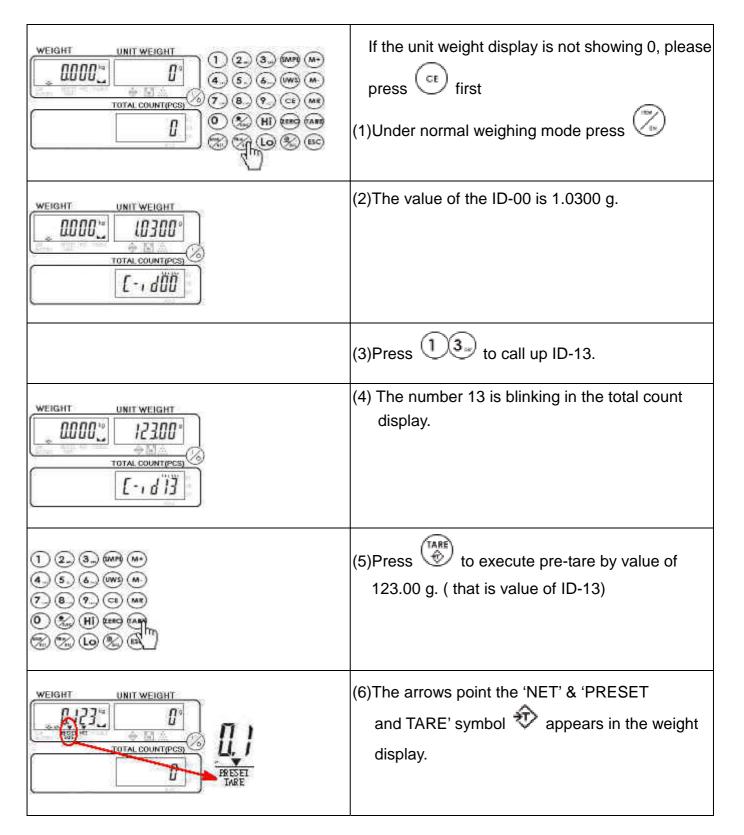
Possible to save up to 50 ID

Possible to save up to t				
WEIGHT UNIT WEIGHT	(1)There is a unit weight already existing (maybe based on sampling).			
123000 456000 78900 89000 8000 8000 8000 8000 8000	(2)Press			
WEIGHT UNIT WEIGHT	(3)Key in a number from 0 to 49.			
	(4)Press			
	 (5)The number 13 should be blinking in the total count display. (If you want to save into another ID, then press CE. Then you need to do step (4) again) 			
12.3	(6) Press to confirm.			
	(7)You have saved 1.2300g into the ID-13.			

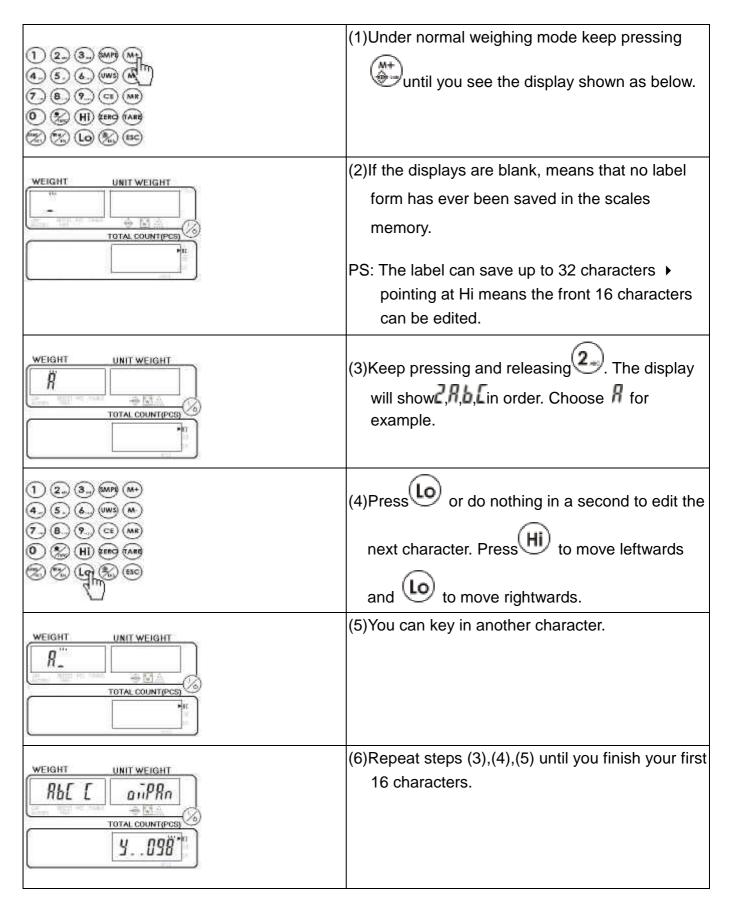
[Call Up ID]

WEIGHT UNIT WEIGHT UNIT WEIGHT	If the unit weight display is not showing 0, please press ce first (1)Under normal weighing mode press
	(2)The value of the ID-00 is 1.0300 g.
	(3) Press to call up ID-13.
WEIGHT UNIT WEIGHT	(4) The number 13 is blinking in the total count display.
123,000 456,000 789,00 89,00 80 80 80 80 80 80 80 80 80 80 80 80 8	(5) Press to confirm and the scale is ready for counting.
	(6) The value of the ID-13 is 1.2300g and appears in the unit weight display.

V02

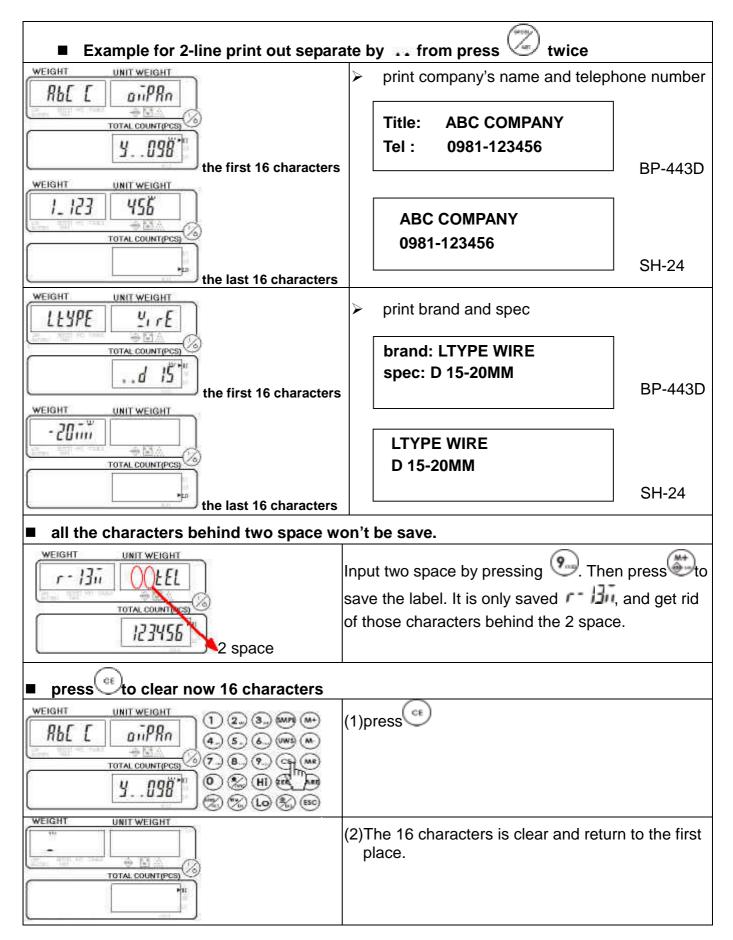


[Customize Your Own Label]

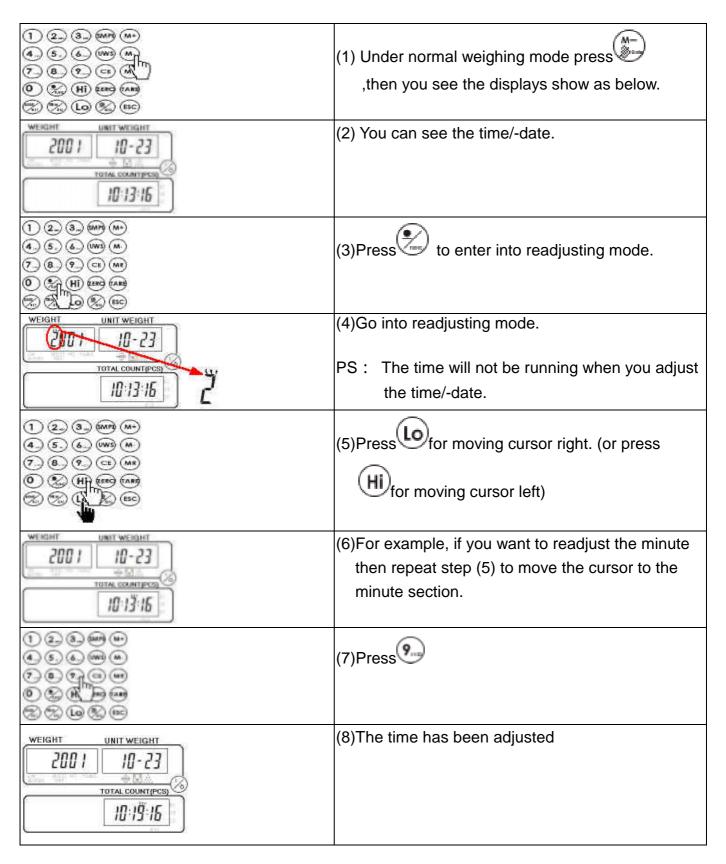


12300000 4560000 789000 890000 80000 80000	(7) After the front 16 characters, press b key to edit the next 16 characters. You can see the display as below
	(8) You can now key in the next 16 characters.Note: Now ▶ is pointing at Lo
WEIGHT UNIT WEIGHT	(9)Do as procedures (3),(4),(5)
1 2 3	 (10)Press to save the label setting and the scale will return to normal weighing mode. PS.1 In step (6), if you key in "…" then the label will print into two lines. PS.2 If you key in two empty blocks the word behind the block will not appear on the label. PS.3 When you press you will clear up the 16 characters showing on the displays.

[Label Example]



[Show / Readjust The Time]



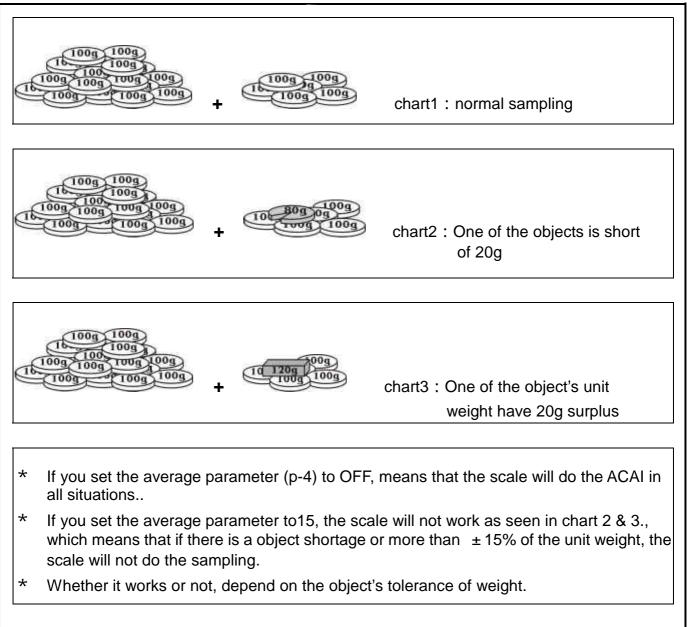
	VOZ
() 2 3 00 00 € 6 6 00 00 € 8 10 00 € 8 10 00 € 8 10 00 € 10 0	(9)Press to save the setting and return to normal weighing mode when you have finished readjusting.

Note

This scale is not installed with RTC so the time setting won't be memorized after switch off. Please set correct time whenever the scale is switched-on. (unless the scale is using RS-232 with RTC, then there is no such problem, please contact your supplier for RS-232 with RTC)

[ACAI Parameter]

In the below example the parameter is set at 15



JCA COUNTING SCALE 46

[Sampling With ACAI Function]

ACAI(Automatic Counting Accuracy Improvement) : ACAI is used to calculate a more precise unit weight. User needs to repeat each procedure until the total quantity reaches users' packing quantity or target quantity.

	(1) Put a container on the weighing pan and remember to tare the container. Put a sample of 20 pieces into the container.
	(2) Key in 20
	(3) The number "20" is blinking in the unit weight display.
123. 456. 76. 76. 76. 76. 76. 76. 76. 7	(4)Press key.
WEIGHT UNIT WEIGHT	(5)The scale is calculating the unit weight.
	(6)The unit weight is 15.018g. If the ▼ above ACAI shows means that ACAI is activated.

	V02
	(7)Put another 10 pieces into the container.PS: The additional pieces must be less than the pieces already in the container and more than 5 pieces.
	(8)When you hear a beep sound, you get a even more accurate unit weight value of 15.007g.
	 (9)Repeat steps (6)(7) and you get an even more accurate value. Remove all sample objects from the container, and ▼ above ACAI will disappear. Scale is ready for precise counting.
	(10)You can now count the same objects again with the more accurate unit weight value.

[Data Protection 1]

	Unit weight	Hi/LO setting	Serial No/Acc setting
Save 99990 to ID49	unlock	unlock	unlock
Save 99991 to ID49	lock	unlock	unlock
Save 99992 to ID49	unlock	lock	unlock
Save 99993 to ID49	lock	lock	unlock
Save 99994 to ID49	unlock	unlock	lock
Save 99995 to ID49	lock	unlock	lock
Save 99996 to ID49	unlock	lock	lock
Save 99997 to ID49	lock	lock	lock

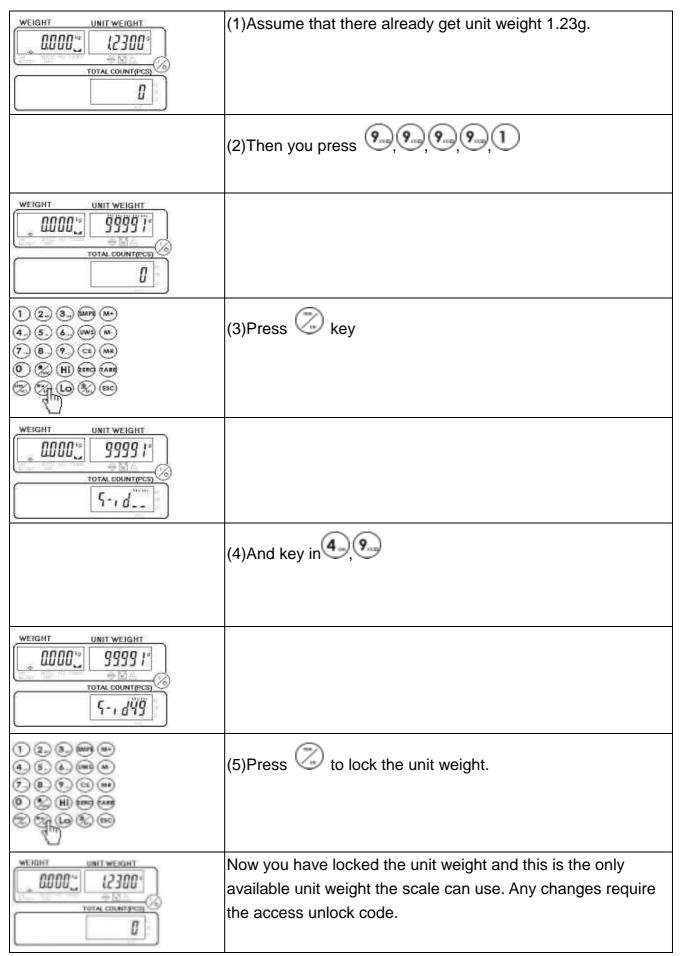
Note:

- (1) The procedure to Save 9999X to ID49 is the same as Saving ID (Method 1)
- (2) It seems that you save 9999x to ID49, but it is just a virtual action for protection decode, and ID49 still keep it's original data.
- (3) If you try to lock Unit weight, there must be a unit weight on the display, otherwise, the scale will beep three times to warn you.

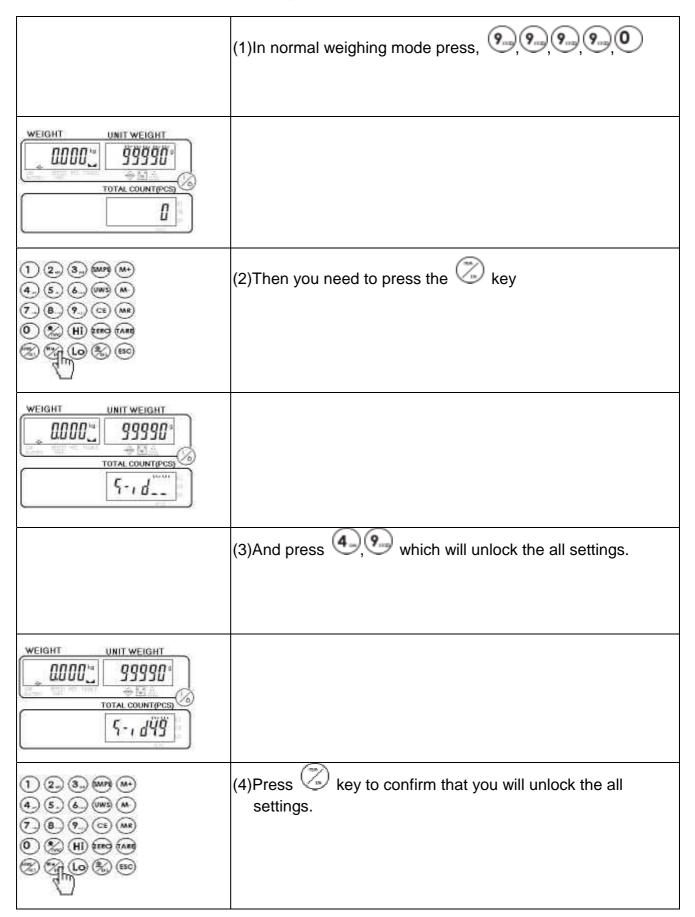
Lock Description

Unit weight lock	The advantage of the unit weight lock, is to prevent anybody to alter/-modify the unit weight, without access to the unlock code.			
	(1) You can only lock one single unit weight			
	 (2) When you don't require the locked unit weight you can press the (a) (c) (c)			
	(3) You can press to call the locked unit weight directly.			
Hi/LO setting lock	The advantage of the Hi/Lo setting lock is to prevent anybody to alter /- modify the Hi/Lo setting without access to the unlock code. You can press Hi, lo key to call up the Hi/Lo setting, but it becomes read-only data and you can't modify the data.			
Serial No/Acc	Function is as following			
setting lock	(1) to prevent any change of serial No, maximum serial No, and serial No mode.			
	(2) to prevent any change of maximum Accumulation setting and accumulation mode.			
	The advantage is to make sure that when you are doing serial No increase or accumulation is under control. For example, you set accumulation mode to weight, then it couldn't be change to manual ,stable or other, that make sure that every time the scale do Accumulation is in weight spec.			

How To Lock The Unit Weight



How To Unlock The All Settings

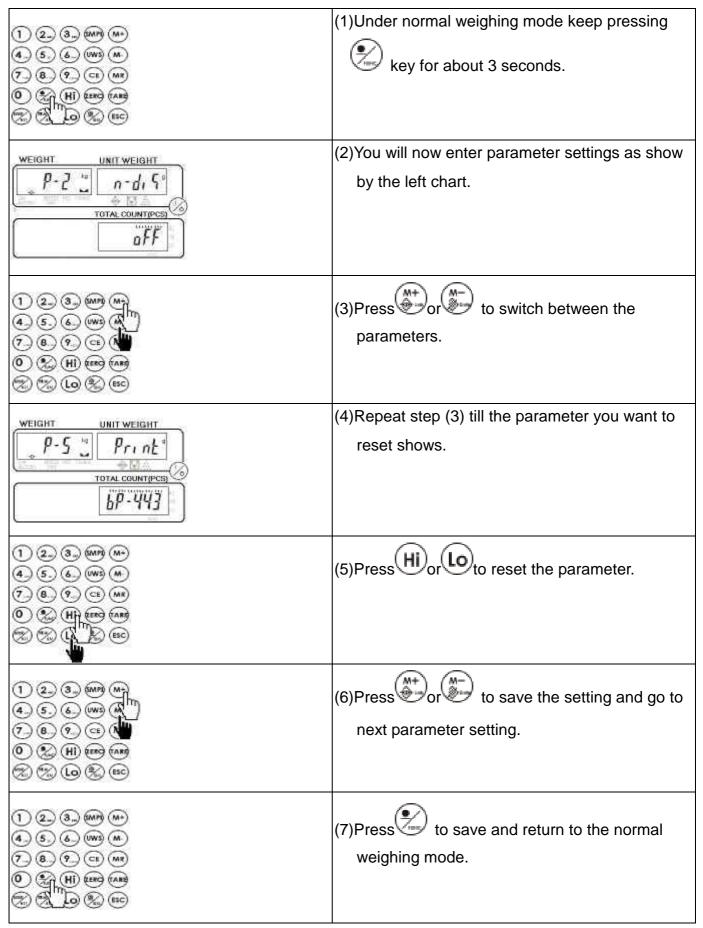


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[Data Protection 2] 50 set of ID

1 2 3	 (1) Under normal weighing mode, press for 3 seconds to enter the basic parameter settings.
WEIGHT UNIT WEIGHT	(2) The scale is now in the basic parameter setting mode. press for 3 seconds to enter the advance parameter settings.
WEIGHT UNIT WEIGHT	(3) The scale is now in the advance parameter setting mode. Press or to switch between the parameters. Repeat step 3 until AP-10 appear
	 (4) AP-10 will appear in the weight display. Press (H) or oto select between , I (→) Unlock (→) Lock, the value of 50 set ID will be protected and locked and you can't change any of the 50 ID. The data becomes read-only data.
123	(5) Press or to save and go to next advanced parameter setting or press to save the setting and return to normal weighing mode.

Note: To unlock the protection you need to set the AP-10 parameter to 0 (Unlock).



[Parameters Description]

P-0: power(default : off)

(item: off/10/20/30/40/50/60/70/80/90min)

* If P-0 = 10, when there is no object on scale for ten min, it will shut off automatically.

P-1 : backlight (default : auto)

off : always off on : always on

Ruleo: turn on when the weight is greater than 20e

P-2: serial number display (default : off)

off : never display on : will display when piece is zero

* The scale will saving the latest serial number when it be turn off normally. As it is shut off improperly, the memory won't be saved, like plug off the power cable.

P-3 : beep sound (default : in)

P-4 : average ACAI (default : off)

(item: off/5/10/15/20/25/30/35/40/45)

<u>P-5 : printer (default : normal)</u>

(item : normal / EZ-2P / BP-443D) normal as SH-24 or compatible printer

P-6: baudrate (default: 9600)

(item: 19200/9600/4800/2400)

P-7 : data (default : n81)

(item : n81/o81/e81/n71/o71/e71)

[The Rule For Using The Keypad]

- 1. Press and return to the normal weighing mode in any situations.
- 2. Press (ce) to clear the wrong input.
- 3. There will be short beep whenever you press any key; a long beep sound indicates successfully setting and three beep sounds indicate an error.

[Connecter]

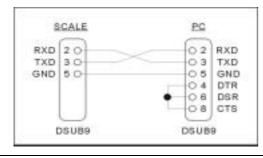
Scale To Printer

onnecter for	necter for EZ-2P/BP-443D C		Conr	onnecter for SH-24		
SCALE	PRINTE	R	Ē	SCALE	PRINTE	IR
RXD 20	02	TXD	RXD	20	0	1
TXD 3 O	03	RXD	TXD	30	0 2	RXD
SND 50	0.5	GND	GND	50	07	GND
				0	0	
				0	0	
\bigcirc	\cup	5			-	
DSUB9	DSUB	9		DSU89	DSUB	25

Scale To PC

When you want a scale to transmit data to PC continuosly.

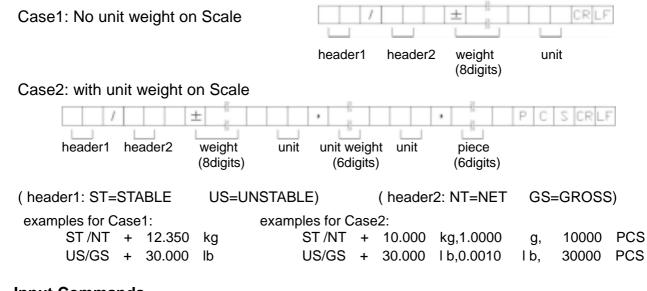
- (1) Using a cable as following to connect Scale and PC
- (2) Set printer mode as continue
- (3) Scale data will be sent to PC continuously. (of course, you must have the receiving software on the PC)



Only pin 2,3 and 5 are used.

[Data Protocol]

Output Data When Print Mode Set As Continue



Input Commands

"T" = perform TARE function

"Z" = perform ZERO function

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[Applications]

Quality Checking According To Weight.

For example a batch of PDA outer casing box is weighing 79~82g

- (1) Set the Hi limit at 0.082 kg, Lo limit at 0.079 kg
- (2) Enable the HI/LO checking function
- (3) Start weighing now and carry out the HI/LO (weights) checking function.

Note : You may set the beeping sounds according to your needs.

Please refer to P-3. for parameter of Beeping Sounds.

Control Check On Each Packing According To Weights.

A factory is a manufacturer of DVD player, the standard packing weights of one DVD player is 1.731kg inclusive of :

1.731kg inclusive of :

DVD player	1.200	kg
Adaptor	0.148	kg
User Manual	0.090	kg
Packing Material	0.293	kg
Total Weights	1.731	kg

Assume that a standard error of ± 30 g is allowed for every packing . So ,

- (1) Set the HI limit for weight at 1.761 kg, LO limit at 1.701 kg
- (2) Enable the HI/LO checking function
- (3) Start weighing now and carry out the HI/LO (weights) checking function.

Note :

- You may set the beeping sounds according to your needs. Please refer to P-3. for parameter of Beeping Sounds.
- (2) Sometime the scale is unable to read the shortage of item if for example : If there are 2 adaptors in this packing which are now 0.148kg x 2 = 0.296kg and there are shortage of 0.150g in packing material which at the end still made up to the total of 1.733kg.

Construct A ID Memory Chart (ID Memory)

For easy reference , you may construct a chart indicating all the ID of each item from 0~49 .Please refer to [saving ID – Method 1].

■ Control Check On Each Packing According To Pieces .

Assumed that a box of pen knife is weights 5.500kg . Each box contains 50 pieces of pen knife and each pen knife is 0.100kg . The empty box weighed 0.500kg . So ,the net weights of each box is 50x0.100kg= 5.000 kg and gross weights of each box is 5.500kg .

Now, we want to check each packing according to pieces .

- (1) set the pre-tare at 500g (weight of the empty box)
- (2) key in unit weight of pen knife as 100g
- (3) set the hi limit (pieces) 50 pcs, lo limit (pieces) at 50 pcs
- (4) enable the hi/lo checking function .
- (5) start weighing now and carry out the hi/lo checking function.

Note :

- (1) You may set the beeping sounds according to your needs. Please refer to P-3. for parameter of Beeping Sounds.
- (2) you may perform the control check according to weights control checking. Please refer to the application on Control check on each packing according to weights.

Auto Tare On The Weight Of Boxes, Basket Or Container

If a fruits monger want to pack his fruits in a standard packing basket . He wish that the weight of the basket will be auto tare-off when the basket is place on the weighing pan, and when he remove the basket , the scale will cancel off the tare value and return to zero.

Assumed that the weight of the basket is 0.450 ~0.480kg

- (1) Under the HI/LO checking for TARE, set the HI limit 0.480g, Lo limit at 0.450g.
- (2) Enable the HI/LO checking function
- (3) Place the basket on the pan , you will hear a beep sound. The display show like 0000 and 3 indicate that the weight of basket has been tare .
- (4) start packing the fruits .
- (5) after complete the packing , remove the whole basket, when the scale reaches the zero point, you will hear a beep sound and TARE will be canceled.

Control The Total Production Volume According To Serial Number

- (1) enter the parameter setting and turn on the serial number
- (2) set the mode of serial number according to weight (within the HI/LO limit), serial number will add 1.
- (3) start weighing, when the weight is stable and is within the HI/LO limit , the number will add 1.

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With This Function , The Total Production Volume And Weight Of Packing Can Be Checked According To Serial Number .

Control The Production According To The Maximum Serial Number.

Assumed that a production line need to do the packing for every 100 standard items produced :

- (1) turn on the serial number
- (2) set the mode of serial number according to weight (within the HI/LO limit), serial number will add 1.
- (3) set the maximum serial number to be 100
- (4) start weighing, when the weight is stable and is within the HI/LO limit , the number will add 1.
- (5) when the serial number reach 100, the unit weight display will show a blinking and beeping sounds, meaning that have reached 100 standard items and you can do the packing now.
- (6) the serial number will return and start from 1 again , after the 100th serial number ,

Difference Printing Format For Difference Products

This scale is well equipped with 100 difference printing format according to your needs . Please refer to 【label & sample of the printing forms】.

Print The Product Name And Specifications (Label Setting)

You may key in the product name and specification and print the label using the printer because this scale is equipped with the A \sim Z alphabets . Please refer to [sample of print forms].

Using The Tower Light To Indicate A Defect Or Shortage In Production The examples of production control mentioned above can be more effective by Using a tower light connecting to the scale. The advantage of the tower light is to overcome the noisiness in the production line and enable the users to check the production through the signals of the tower light.

Please Contact Your Nearest Agent Or Sales Person If You Have Others Special Requirements Related To The Scale.

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- Why can't the printer print out, when I connect to the scale?
 - 1. Make sure the parameter P-5 model be set correctly.
 - 2. Make sure P-6 and P-7 match the printer.
 - 3. If EZ-2P or BP-443D are being used, they should have download the printer format before.

Why does the Hi & Lo checking not work?

- 1. Make sure you have enabled the function.
- 2. The value of Lo is greater than Hi.

1. Under parameter setting P-5, select the "normal" printer.

How do check if my printer compatible to the scale ?

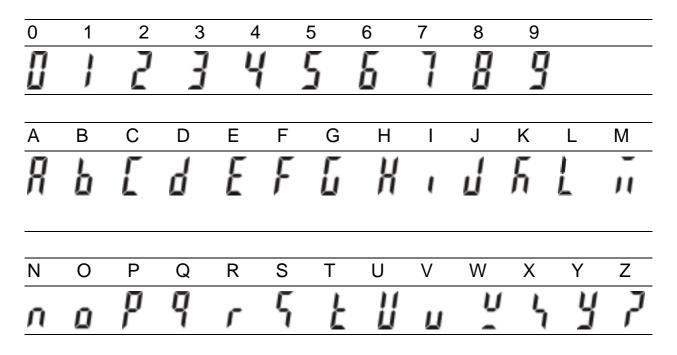
2. check the baud rate (P-6) and the data (P-7) is compatible to printer. If it is not , please change the setting accordingly .

3. When you weight and sign appeared, press ,key to print . If the printer able to print meaning that this printer can replace the SH-24 printer .

Why are there no sounds in the Hi & Lo checking function? Make sure P-3 is set correctly

Why do I have to reset the time every time I turn on the scale? The scale needs an optional RTC.

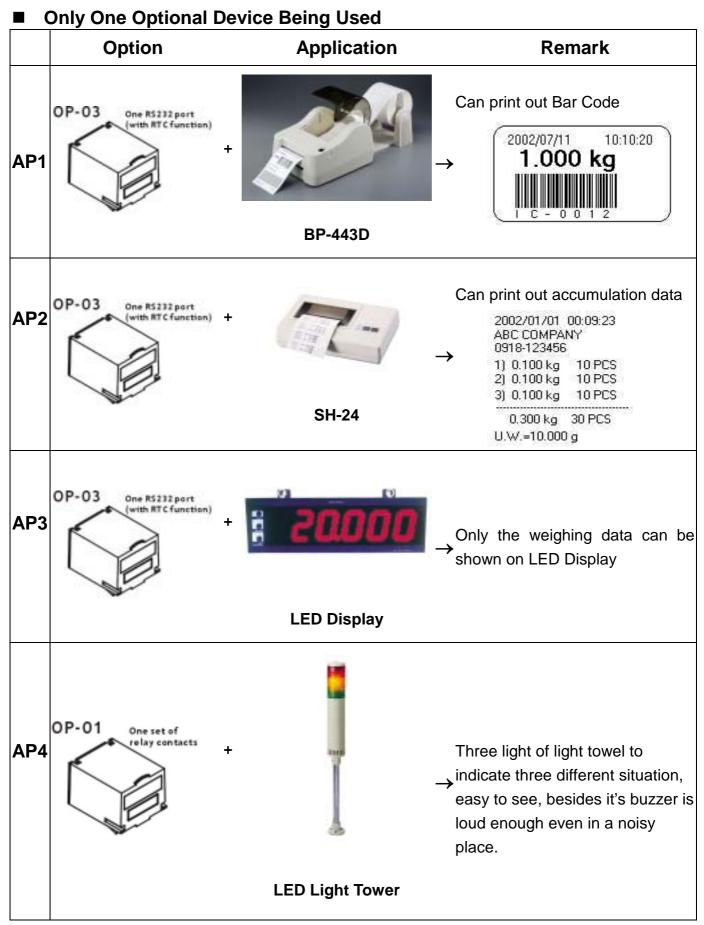
【 LCD Characters 】

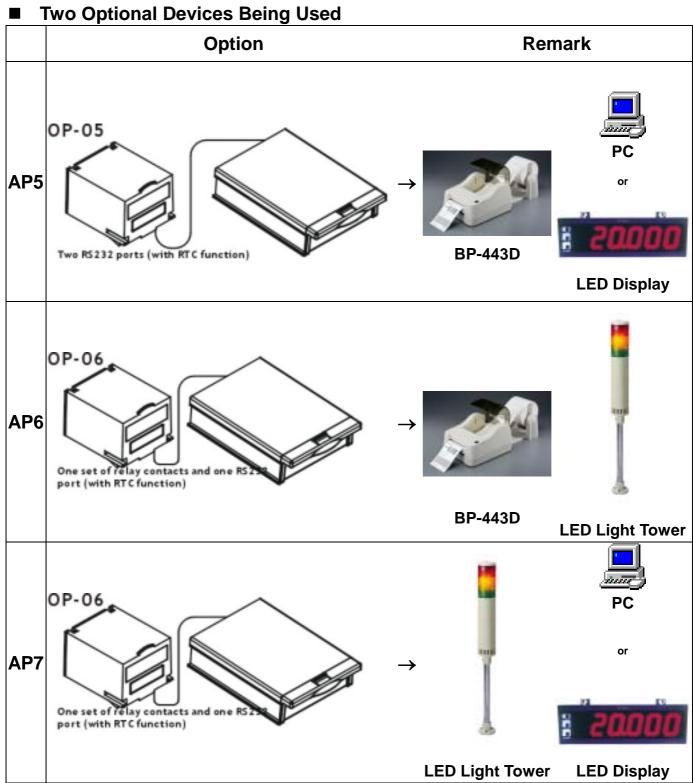


[Error Messages]

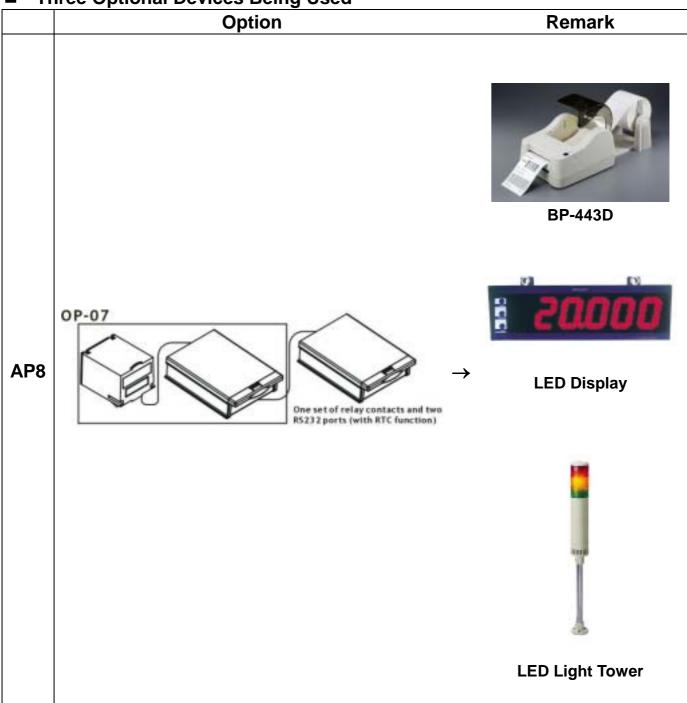
Error Message	Reasons	Solutions
E noEE	The CPU unable to read the EEPROM	Return To The Manufacturer
E ERLF	Unable to read the 3 points calibration range	Do the 3 points calibration
אק	Zero Point is Too High	Make sure the pan is empty when turn on the scale or perform the 3 points calibration.
7Lo	Zero Points is Too low	Make sure the pan is on the scale or perform the 3 points calibration.
Е ሀлናይ	Unstable Zero Point	 (1)Make sure there is no winds or vibration . (2)Change the stability /vibration parameter accordingly.
[[ห-ย	Battery for RTC is too weak	Replace a new battery or press to abort
	Overload (The weights on the pan is more than +9e of the max. capacity)	Take away the overloaded objects.
dı FFE	Unable to accumulate due to contradiction in net weight and net weight with quantity . You cannot accumulate this two together .	Press key twice to clear the all the accumulation or press key to return to normal weighing mode .
ou- 15	The last accumulation is more than the preset accumulation allowed .	Press key twice to clear the all the accumulation or press key to return to normal weighing mode .

[Option]

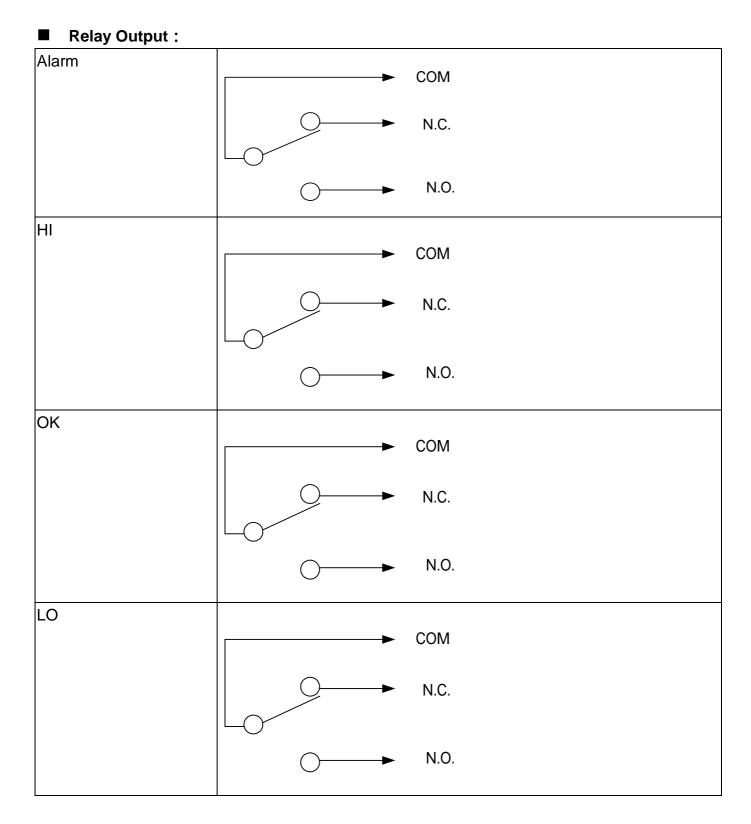








[Relay Module Diagram]



Relay Contact Spec

1A/24VDC , 0.5A/125VAC , 0.25A/250VDC