華翰國際實業有限公司
VAHAN INTERNATIONAL INDUSTRIAL CO.,LTD

Barcode Price Computing Printing Scale

User's Manual

2011.05

Warning and Attention

Warning

- Don’t use scales in the following situations:
  1. Wobbling and swaying place;
  2. Air-conditional and fan blowing straight place;
  3. Dusty and wet environment;
  4. Flammability and explosive place;
- Plug the power switch to the good grounded socket, or it will cause personal injury.
- Ensurely to cut the power off first when the scale is connected to other equipment, or it will cause the equipment damaged.
- Don’t plug in or pull out each communication interface with power on, such as RS232 COM port, etc.
- Don’t plug in or pull out switch when the power is on.
- This type of scale uses thermal printer, so only thermal printing paper can be used. Please use correct type of paper before print, or it will cause the irreparable damage to the printer head and printer.

Attention

- Put the scale on a level table-board. Adjust four corner nuts to make the level bubble be in the middle of gradienter. Try to make sure the sensor work in level status and keep accuracy of weighing.
- If printer goes wrong or shows wrong, even gives warning without printing, that mean the scale has got problems. You’d better check the paper whether put correctly or the printer head is in the correct position, or the light sensor is dirty. If it is dirty, clear the printer head and the printer for every two weeks. Keep the print paper clean and good quality.
- After changing the paper, the printer buttons are found to be no effective or print wrong. It probably caused by the type of the paper not being the same size. The problem can be solved by re-debugging, putting paper again and making paper checkout.
- Please don’t dismantle, break or impact the scale.

content

1、Operate Instruction

1.1 Explanation

- PLU：Commodity information, including: Number, Commodity Code, Unit Price, Dept Number, Ways of Computing Price, Valid Date, etc.;
- Chinese character zoned code： Loading Chinese characters information, each character is expressed by 4 bits code, it is called Chinese character zoned code;
- ASCII Code: Loading characters information, each character is expressed by 3 bits code, it is called ASCII Code;
- Calculating Price by Weighing: One way of calculating price of PLU, according to the commodity weight;
- Calculating Price by Piece: One way of calculating price of PLU, according to the commodity quantity;
- Calculating Price by Fixed Weight: One way of calculating price of PLU, according to the commodity quantity of fixed weight.

1.2 Operate Instruction Muster

	Operate intent	Mode	Step		Result
			First Step	Second Step	
1	Adjust PLU	①	Press shortcut key		Tare and unit price, etc. of PLU
		②	Press Number Button	Press PLU	
2	Clear current content of PLU	①	Press CLEAR		Clear the current PLU information
3	Tare	①	Put object on the scale，then press TARE		Remove tare
		②	Input the weight value of tare	Press TARE	

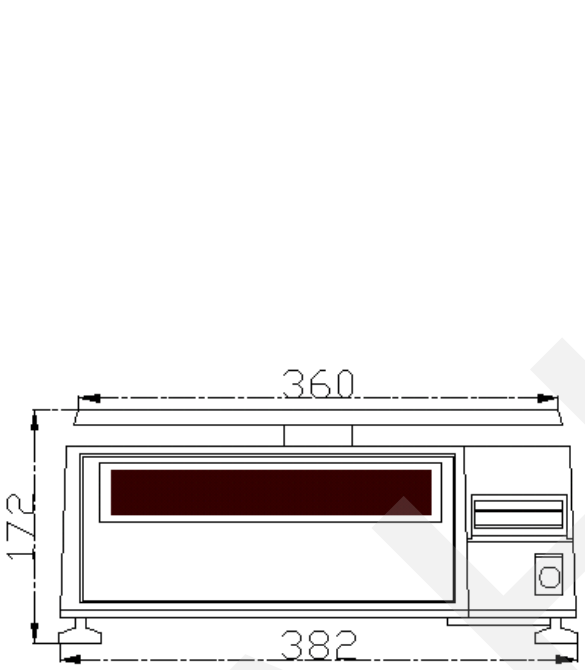
4	Time	①	Press DATE		Display the current Y/M/D
5	Function setting		Press FUNC	Input the password then press ENTER	Enter corresponding function setting
6	Change counting quantity	①	Press the amount of number(counting quantity)	Press MULTI	To change counting quantity
7	Clear cumulative content	①	the total after many commodities, press +A (or +B / +C / +D), then press FUNC	Press clear	To +A (or +B / +C / +D), and clear all the content
8	Auto-printing weighing mode	①	Press shortcut key-PLU, then press FUNC	Press PRINT in five seconds	To the auto-printing state (weighing mode)
9	Auto-printing counting mode	①	Press shortcut key-PLU, then press FUNC and press PRINT in five seconds, input interval	Press ENTER	To the auto-printing state (counting mode)
10	Auto-printing calculating weight mode	②	Press shortcut key-PLU, then press FUNC and press PRINT in five seconds, input interval	Press ENTER	To the auto-printing state (calculating weight mode)

11	Cancel auto-printing	③	Press CLEAR		To recover single printing function
12	Continuous paper state scales	④	Press shortkey-PLU，put on the goods，waiting for the steady light	Press +A (or +B / +C / +D), meanwhile, cash for four customers .	Total amount, press DATA After input the amount Press PRINT printing the receipt.

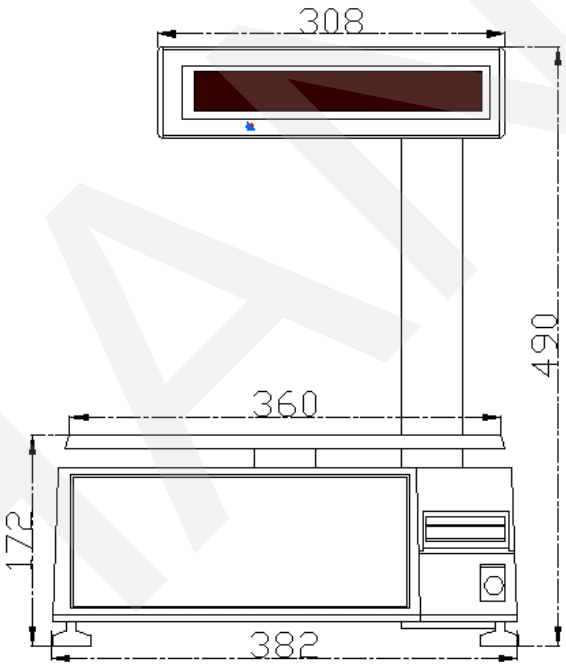
2、Summarize

2.1 Appearance

2.1.1 Electric Appearance

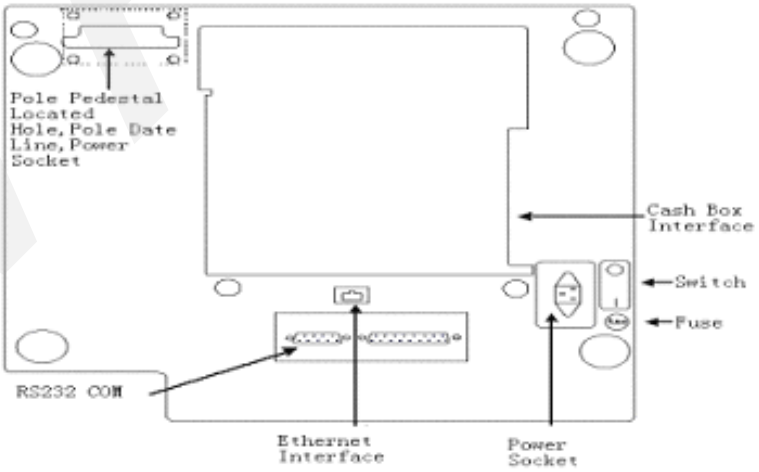


Front-view of platform scale



Front-view of pole scale

2.1.2 Interface Pictures

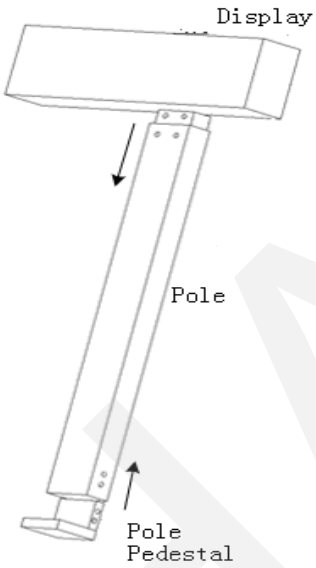


2.2 Fixing

Platform scale: before using make sure the salver, power supply line connect well, it works when power on;

Pole Scale: before using fix the display on the pole, fix the pole on the bottom of scale as follows.

[PS: Φ3mm snail for fixing display with pole; Φ4mm snail for fixing the bottom of pole.]

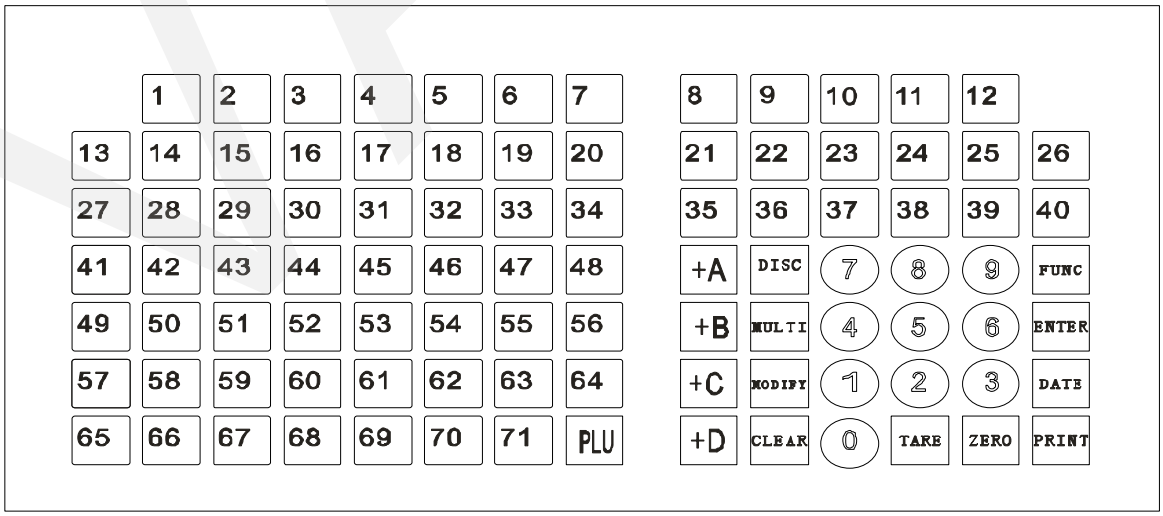


2.3 Display and Keyboard

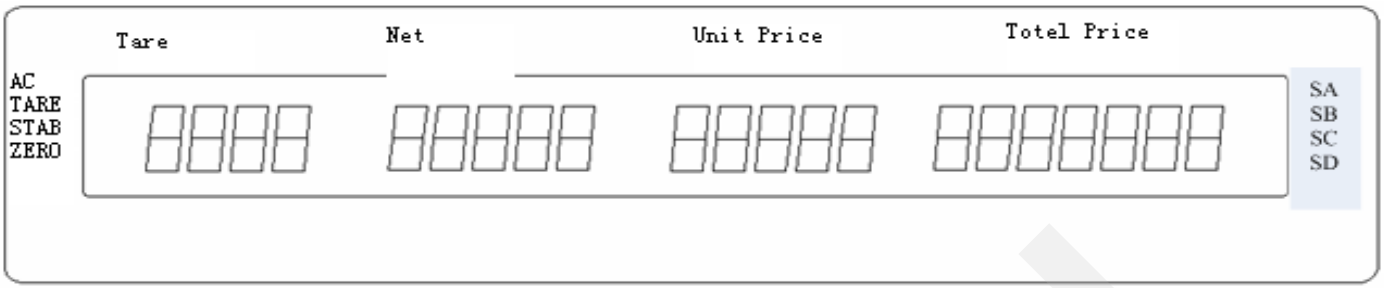
2.3.1 Display

Front View:

1. key of pole scale:



2. Display of pole scale：



Indicator light:

- Power：Power on, power light keeps on;
- Tare：To tare or tare weight is not zero, tare light turns on;
- Steady：The weight reach steady, steady light turns on;
- Zero：Weight is zero, zero light turns on;
- SA、SB、SC、SD：corresponding +A、+B、+C、+D have calculative amount, the indicator light turns on.

2.3.2 Keyboard

1. Keyboard of pole scale:

0～9：Number buttons is used to input numbers.

PRINT：Print the current label.

DATE：Showing the current time and date.

CLEAR：Clear inputted data, memory data then return to main interface.

[+A]、[+B]、[+C]、[+D]，Four groups accumulative keys，with continuous paper printing.

MUTI：In the sate of counting, you can choose the number.

MODI：Modify the accumulative content.

FUNC：When setting all function, press “FUNC”.

ENTER：Up is entrance to sales mode, down is entrance to confirm button and return Free State.

TARE：Deduct tare, when having tare, press “TARE” to be ineffective; In settng state,it is “NEXT”.

ZERO：Weight nothing but displays not zero, manually zero-resetting.

PLU ： Adopt PLU by means of PLU number.

2.4 Specification

- Power: AC 220V or 110V (-15%～+10%)　　Frequency: 50~60Hz
- Temperature:Working Temperature: 0℃～40℃(240F-1040F)
  Save Temperature:　-10℃～40℃
- Humidity: ≤85%RH
- Max metage: 3kg（1g）、6kg（2g）、15kg（5g）、30kg（10g）
- Veracity:1/3000 F.S
- Display: Double-face red light LED: tare 4 bits, net weight 5 bits, unit price 5 bits, total price 7 bits.

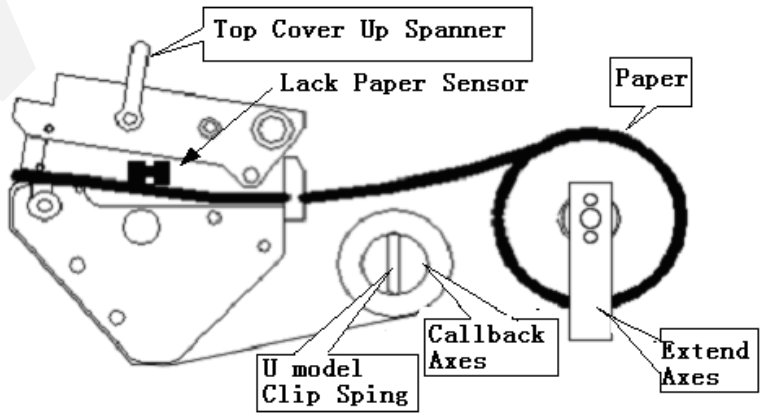
2.5 Printer

2.5.1 Printer Parameters

- Print mode: Thermal print
- Print Speed:75mm/s
- Print Breadth:56mm
- Scroll Breadth:60mm (Max.)
- Scroll Outer Diameter:100mm（Max.）
- Scroll Inner Diameter:25mm（Min.）

2.5.2 Fixing Paper

1. Set the scroll to the axis;
2. Lift the printer head, set paper to under the printer head, and paper must be right under the paper sensor;
3. Put the printer head down;
4. Fix the paper to recycle axis and fixed by U-reed (Seen as follows)



2.5.3 Label Paper and Continuous Paper's Conversion

When loaded on paper lable, press ❺, switch to lable paper state, the windows display  or  , suggest that switching success, press ❻, switch to continuous paper state, the windows display  , suggest that switching success.

**If you don't succeed ,please switching it again*。

2.6 Guidance of the manual

- When reading manual, operating steps is at the left of the table. The other tables display the results.
- When reading manual, please confirm electronic scales working condition.
- This manual operation is set in the process of operation,and if there is amistake ,press clear directly. If you stop operation halfway ,it will not be saved.
- All kinds of display this manual mentioned are listed as follows:

1. Numbers 

   0 123456789

2. Characters

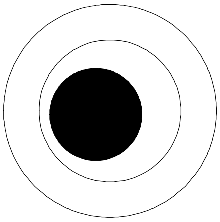
   

   A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

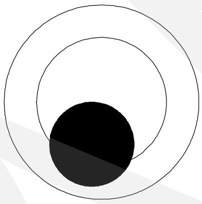
3、Instructions

3.1 Preparation

1. Make sure the scale switch on good grounded power;
2. Keep scale steady, remove heavy ware from scale, let it be empty;
3. On level surface or adjust scale foot , let bubble be in the middle of gradienter, as follows:



Right



Wrong

4. Make sure paper fixed in printer correctly.

3.2 Power ON

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Ensure no goods on scale then power on				
Self-testing	0000	00000	00000	0000000
	1111	11111	11111	1111111
	2222	22222	22222	2222222
	3333	33333	33333	3333333
	4444	44444	44444	4444444
	5555	55555	55555	5555555
	6666	66666	66666	6666666
	7777	77777	77777	7777777
	8888	88888	88888	8888888

				
Auto zero-resetting and waiting for weighing				

3.3 Manually Zero-Resetting

After using for a period of time，zero changes or need zero-resetting, click [Zero] button to reset zero.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
No ware on scale but net weight is not zero				
Press ZERO R				

3.4 Sales

3.4.1 Sell Weighing Ware

Operation	Display			
	Tare	Net Weight	Unit Price	Total Prcie
Waiting for Weighing				
Input number, (for example No.2 PLU) ,press ❷				
Press PLU, display unit price of No.2 PLU, for example 16rmb/kg				
Put on the goods for weighting (for example 1kg)				
Press Print ,print the ticket, then take down the goods				

3.4.2 Sell Count Computing Ware

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for Weighing				
Input PLU Number, (for example No.3 PLU), then press 3				
Press PLU ,views unit price of NO.3 PLU, for example 18 dollars/piece				
Only sell one piece ,press Print to print; if sell 5 pieces press 5 ,then press MUTI				
Press Print to print.				

3.4.3 Sell multiple commodity

Attention：This funtinuou can only be used in contionuous paper condition.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for Weighing				
Input PLU, for example number 2 ,Press 2				
Press PLU ,views unit price of NO.2 PLU, for example 16 dollars/piece				
Put on the goods for weighting (for example 1kg)				

Press +A ,Total sales volume small				
Input second goods's PLU number， (For examble number four PLU),please press 4				
Press PLU ,views unit price of NO.4 PLU, for example 7 dollars/piece				
Put on the goods for weighting (for example 600 g)				
Press +A (or +B、+C、+D)				
Press Print to print.then remove goods （Attention：If no cumulative print，you must press MODIFY After some times, this report will be cleared，or else it will affect trading on writing				

3.4.4 Sell Fixed Weight Ware

Fixed Weight Ware need to pre-set (more refers to 5.1 PLU Information Editing), print fixed weight ware only need input PLU Number, then press print.

3.5 Tare

This scale can realize 3 method of tare: Pre-set tare, objected tare, digital tare. Pre-set tare relates to PLU Settings, so introduced in the chapter of PLU settings.

3.5.1 Objected Tare

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for Weighing				
Press ❷ and PLU to adopt No.2 PLU				
Put goods of tare (for example put one 600g salver on it)				
Press Tare				
Put ware to weigh （for example 1kg）				
Press Print to print ticket, take down ware and salver				

3.5.2 Number tare

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for Weighing				
Press ❷ and PLU to adopt No.2 PLU				
Put goods of tare (for example put one 600g salver on it)				
Press Tare				
Put the tare contains items (such as :to put one KG goods,tare :600g				
Press Print to print ticket, take down goods				

3.6. Changing Unit Price

PS: only in the state of allowing to manually setting changing unit price(more seen 17th step of PLU Editing: allow changing unit price or not), user can modify unit price on the scale.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for weighing				
Press ❷ and PLU to adopt No.2 PLU				
Input new price （for example 15.00 yuan/kg）				
Put ware on scale （its weight is 1kg）				
Press Print to print ticket，take down the ware				

※Price can be changed only in the mode of allowing changing price, and unit price changes temporarily. After printing, new price is not saved. If want to change the price forever, refer to chapter 5.1 PLU editing.

3.7 Auto Print

3.7.1 Auto Print (For weight)

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for weighing				
Press PLU shortkey（For example ，Press No.6 key, and assumption No.6 key is the whole box apples ,preset prices is￥1.20/kg，weight of box is 500g）				
Press FUNC				
Press Print in five minutes				

Put on the first box apples (for example 10kg),After the stable,Auto print lables				
Remove apples				
Put on the second box apples (for example 9.5kg),After the stable, Auto print lables				
Remove apples,repect the above operation				
After allsaid,Press Clear Restore standby				

3.7.2 Auto Print (counting)

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for weighing				
Press PLU （Ror example ， Press No.7 key,and assumption No.7 key is the cigaratter ,preset prices is ￥1.50/kg，weight of box is 500g）				
If pring lables of ten pockets cigaratter，Press[10]				
Press[Multiple]				
Press FUNC				
Press[print] in five minuters				
Press number key Input interval number of secoonds，For example 3seconds ， Press[3]				
Press [enter],auto print the first lables, print a piece of paper every 3 seconds.				
Press Clear ,end print,Restore standby				

Attention：input interval number of seconds from one second to five second, take the integer.

3.7.3 Auto print (For heavy)

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Waiting for weighing				
Press PLU （Ror example ， Press No.8 key,and assumption No.8 key is the sugger ,preset prices is ￥1.50/kg ， weight of box is 500g）				
Press FUNC				
Press Print in five minuters				
Press number key Input interval number of secoonds ， For example 3seconds ， Press[3]				
Press ENTER , auto print the first lables, print a piece of paper every 3 seconds.				
Press Clear ,end print, Restore standby				

3.8 Clear Aggregate Information

When the total after many commodities，you can press +A (or +B、+C、+D) ＋ FUNC ＋ clear ， Remove the accumulated before +A (or +B、+C、+D)，while not single.

4、Settings

About if exsit decimal following:

Choose manual operation setting following:

4.1 System Parameter Setting

System Setting Password is”39706”

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 3 9 7 0 6				
Press ENTER set scale number; XX means original number				XX
Number range:00—99.For example setting number 12.Press 1 2 （Default setting is 01）				
Press Tare, set print chroma; chroma range:01-10,for example 5,press 5 （Default setting is 05）				

Press [Tare], set if can chang discount,(00--can change unit price, 01--can't change unit price Default setting is **03**				
press [Tare], setting decimal; 00—not have decimal; 01—1 deciaml; 02—2 deciaml; 03—3 deciaml setting is **02**;				
2.Choose PC operation setting following: **Open the :"EN3.0" and choose "communication", then "price point" option choose "PtPs0(123)"、"PtPs1(12.3)"、PtPs2(1.23)、PtPs3(0.123)and set unit price demiacal's digits**				

Press Tare, set bar code; defined as follows: 01：8bits (7W+C) 02：13bits(1F+6W＋5E/N＋C) 03：18bits plus(1F+6W＋5E+5N+C) 04 ： 18bits minus(1F+6w ＋ 5E+5N+C) 05：13bits(2F＋5W＋5E/N＋C) 06：13bits(12D＋C) 07：18bits plus (2F＋5W＋5E+5N+C) 08：18bits minus (2F＋5W＋5E+5N+C) 09: 13bits(1F+5W＋6E/N＋C) Explanation： W is ware code; E is money; N is weight; C is check code; D is code name; number means bits; For example: select 02， press 0 2 （Default setting is 02）				
Press Tare, set bar code; Style of barcode is as follows: 1—13bits price code/price code is in front(18bits） 2 — 13bits weight code/weight code is in front(18bits) For example set 13bts money code, press 0 1 （Default setting is 01）				
Press Tare, set cent; 00—save cent；01—round; 02—round，save 1 bit after radix point; 03—have 1 as 5, have 6 as 10, ep: 3.11=3.15, 3.16=3.20				

Press [Tare], set date; 01 — packing 、 valid date yyyymmdd; 02—packing、valid date yymmdd; 03 — packing date yyyymmdd , valid date; 04—packing date yymmdd, valid date; If set 01，press 01 （Default setting is 02）				
Press [Tare], set weight units; 00—kg；01—500g；02—100g 03—50g；04—10g；05—g；06—lb； If set kg，press 00 （Default setting is 00）				
Press [Tare], set price units; 00—/kg；01—/500g；02—/100g； 03—/50g；04—/10g；05—/g；05—/lb； If set units is /kg，press 00 （Default setting is 00）				
Press [Tare], cashbox drive; 00—turn off；01—turn on； If set turn off，press 00 （Default setting is 00）				
Press [Tare], double full set ; 00—single full ；01—double full ； If the full set of double , press 01 （ Factory is the default setting :00）				

Press Tare, After setting up unit price, keep unit price; 00—keep; 01—not keep; If the setting for the reserves Press 0 0 （ Factory is the default setting :01）				
Press Tare, setting for continuous paper printing code; 00—not print code ; 01—print every goods' code; 02—print total amount; 03 — print every goods' code and total amount code , if not set printing code, press 0 0 (Factory is the default setting :00）				
Press Tare, set amount per cent; 00—removing bits per cent; 01—per cent of omitted ; If the setting for removing bits per cent, press 0 0 （ Factory is the default setting :00）				
Press Tare, setting for header paper （ call NO.1 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				

Press [Tare], setting of table for the second paper（call NO.2 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press [Tare], setting of table for the third paper（call NO.3 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press [Tare], setting of table for the fourth paper（call NO.4 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press [Tare], setting of table for the last paper（call NO.5 special information）; 00—no print ; 01—print standard font size ; 02 — print times font size ; 03 — print times high font size; 04—print amplifying font size ; Factory is the default setting :00				

Press Tare , setting of table for the second last paper（call NO.6 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press Tare , setting of table for the third last paper（call NO.7 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press Tare , setting of table for the fourth last paper（call NO.8 special information）; 00 — not print ; 01 — print standard font size ; 02 — print times font size; 03—print times high font size ; 04 — print amplifying font size; Factory is the default setting :00				
Press Tare ,set up whole continuous paper font size; 01—print standard font size; 03—print times high font size; Factory is the default setting :01				
Press ENTER , save and return standby				

PS: During modifying or complete modify, press ENTER to save and exit; press Clear to exit without saving.

4.2 Time Setting

Clock is in the scale, you can set it. The password is “39704”.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 3 9 7 0 4				
Press ENTER, set year; If setting 06, press 0 6				
Press ENTER, set month; If setting May, press 0 5				
Press ENTER, set date; If setting 15th, press 1 5				
Press ENTER, set hour; If setting eleven clock, press 1 1				
Press ENTER, set minuts; If setting 32, press 3 2				
Press ENTER, return to Free State				

4.3 Weight Adjustment

Entrance password of demarcation is “8003”, taking effect in all occasions, for example users forget the password; the user password is “54321”, taking effect in usual occasions. PS: The user password should be 5 bits, first bit should be nonzero; when setting decimal bits, bits of Net weight and Tare Weight should be the same, and should be in the range of 0~3.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUN				
Press 5 4 3 2 1, Press ENTER				
Press ENTER, set user password;For example, set it be 54321, press 5 4 3 2 1				
Press ENTER, set scale intervals, for example set 15kg for 5g, press 5				
Press, set max value; for example set 15kg, press 1 5 0 0 0				
Press ENTER, set over loading value; usual be 9times of graduator value; if graduator value is 5g,, press 4 5				

Press ENTER , set loadvalue; for example 15kg, press 1 5 0 0 0 （Load value should be 1/3~1 of max value）				
Press ENTER , turn to zero state and ensure scale load nothing				XXXXX
Press ENTER , turn to loading state; put a poise (its value is same as Loading vale). （XXXXX is ISN-internal statement number）				XXXXX
When ISN is steady, and Steady indicator light is on, press ENTER to exit				

4.4 Shortcut Key Setting

Password of Shortcut Key setting is “55555”.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUN				
Press 5 5 5 5 5				
Press ENTER , begin shortcut key setting				

Input corresponding PLU number, press Tare, set second shortcut key				
				
Press ENTER, TER Save and return				

The number follows F is shortcut key number，the Total price display PLU number；press TARE to input PLU number link to shortcut key，then press ENTER

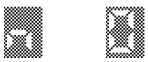
4.5 Label Setting

Label setting includes universal part and text part. The password of entrance universal label modifying is “22222”; the password of text is “39705”.

This scale can be saved 16 labels, each include two sections: universal label and text label. Label number is from 0 to15, for example, PLU adopt third label, the universal and text label is also third.

Universal label mainly prints: name of products, net weight, tare weight, gross weight, unit price, total price, packing date, valid date, special information, bar code etc. Text part prints what you defined. (More seen in chapter “5.3 Text Editing”)

4.5.1 Universal Label Setting

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 22222				
Press ENTER, set label print width；for example width is 56, press 56				

Press MULTI, can circulate and shift label number(n0-n5); Press Zero、ER Tare can check out the setting;				
Press Tare, set label length; if set length be 40mm, press 4 0				

Label parameter explanation:

Parameter NO.	Parameter Name	Parameter Explanation
F-00	Width of print(X direction)	Input label width value (Max 56mm)
F-01	Length of print(Y direction)	Input label length value (Max 99mm)
F-02	Product1's name print font	Value available ： 00～16
F-03	Product1's name print (x-axis)	Setting this font top left corner be origin, counting font's right distance to origin.
F-04	Product1's name print (y-axis)	Setting this font top left corner be origin, counting font's down distance to origin.
F-05	Product2's name print font	Value available：00～16
F-06	Product2's name print (x-axis)	
F-07	Product2's name print (y-axis)	
F-08	Product3's name print font	Value available：00～16
F-09	Product3's name print (x-axis)	
F-10	Product3's name print (y-axis)	
F-11	Product's code name print font	Value available：00～32
F-12	Product's code name print (x-axis)	
F-13	Product's code name print (y-axis)	
F-14	Value of net weight print font	Value available：00～32
F-15	Value of net weight print (x-axis)	
F-16	Value of net weight print (y-axis)	
F-17	Value of tare print font	Value available：00～32
F-18	Value of tare print	

	(x-axis)	
F-19	Value of tare print (y-axis)	
F-20	Value of gross weight print font	Value available：00～32
F-21	Value of gross weight print (x-axis)	
F-22	Value of gross weight print (y-axis)	
F-23	Value of unit price print font	Value available：00～32
F-24	Value of unit price print (x-axis)	
F-25	Value of unit price print (y-axis)	
F-26	Value of total price print font	Value available：00～32
F-27	Value of total price print (x-axis)	
F-28	Value of total price print (y-axis)	
F-29	Value of 2×Net weight print font	Value available：00～32
F-30	Value of 2×Net weight print (x-axis)	
F-31	Value of 2×Net weight print (y-axis)	
F-32	Value of 1/2 unit price print font	Value available：00～32
F-33	Value of 1/2 unit price print (x-axis)	
F-34	Value of 1/2 unit price print (y-axis)	
F-35	After discounting, unit price print font	
F-36	After discounting, unit price print x-coordinate	
F-37	After discounting, unit price print y-coordinate	
F-38	After discounting, total price print font	
F-39	After discounting, total price print x-coordinate	
F-40	After discounting, total price print y-coordinate	
F-41	Date print font	Value available：00～32
F-42	Date print(x-axis)	

F-43	Date print(y-axis)	
F-44	Time print	Value available：00～32
F-45	Time print font(x-axis)	
F-46	Time print font(y-axis)	
F-47	Valid date print font	Value available：00～32
F-48	Valid date print(x-axis)	
F-49	Valid date print(y-axis)	
F-50	Department number print font	Value available：00～32
F-51	Department number print(x-axis)	
F-52	Department number print(y-axis)	
F-53	Number of Shop print font	Value available：00～32
F-54	Number of Shop print(x-axis)	
F-55	Number of Shop print(y-axis)	
F-56	Special information 1 print font	Value available：00～16
F-57	Special information 1 print (x-axis)	
F-58	Special information 1 print (y-axis)	
F-59	Special information 2 print font	Value available：00～16
F-60	Special information 2 print (x-axis)	
F-61	Special information 2 print (y-axis)	
F-62	Special information 3 print font	Value available：00～16
F-63	Special information 3 print (x-axis)	
F-64	Special information 3 print (y-axis)	
F-65	13bits code print font	Value available：00～32
F-66	13bits code print (x-axis)	
F-67	13bits code print (y-axis)	
F-68	Label serial number print font	Value available：00～32
F-69	Label serial number print(x-axis)	
F-70	Label serial number print(y-axis)	
F-71	Main bar code print font	Value available：00～16
F-72	Main bar code print(x-axis)	
F-73	Main bar code print(y-axis)	

F-74	Main bar code print height	00～10
F-75	Appended code print font	Value available：00～16
F-76	Appended code print(x-axis)	
F-77	Appended code print(y-axis)	
F-78	Appended code print height	00～10
F-79	None	Saved（ Fixed as 00）

PS: F29-F40 is set to “00”

4.5.2 Text Setting

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 3 9 7 0 5				
Press ENTER , set Text1print font; If setting font 03, press 0 3				
Press Zero 、 Tare can look over settings upwards or downwards;				
Press Tare , set Text1print (X-axis); if x-axis is 10mm, press 1 0				

Parameter	Name of parameter	Explanation
F-00	Text1（default is“shop name”） print font	Value available：00～16（The follows are same）
F-01	Text1 print (X-axis)	Setting this font top left corner be origin, counting font’s right distance to origin.
F-02	Text1 print (Y-axis)	Setting this font top left corner be origin, counting font’s down distance to origin.
F-03	Text2（default is“Net weight”） print font	

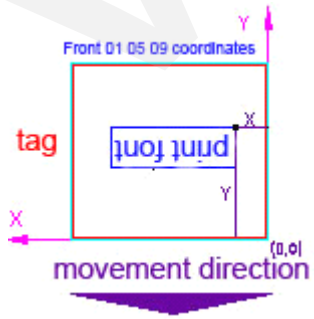
F-04	Text2 print (X-axis)	
F-05	Text2 print (Y-axis)	
F-06	Text3（default is“unit price”）print font	
F-07	Text3 print (X-axis)	
F-08	Text3 print (Y-axis)	
F-09	Text4（default is“total price”）print font	
F-10	Text4 print (X-axis)	
F-11	Text4 print (Y-axis)	
F-12	Text5 （ default is“product date”） print font	
F-13	Text5 print (X-axis)	
F-14	Text5 print (Y-axis)	
F-15	Text6（ guarantee ）print font	
F-16	Text6 print (X-axis)	
F-17	Text6 print (Y-axis)	
F-18	Text7（default is“tare”）print font	
F-19	Text7 print (X-axis)	
F-20	Text7 print (Y-axis)	
F-21	Text8（default is“gross”）print font	
F-22	Text8 print (X-axis)	
F-23	Text8 print (Y-axis)	
F-24	Text9(default is“Text9” ） print font	
F-25	Text9 print (X-axis)	
F-26	Text9 print (Y-axis)	
F-27	Text10(default is“Text10”) print font	
F-28	Text10 print (X-axis)	
F-29	Text10 print (Y-axis)	
F-30	Text11（default is“Text11”）print font	
F-31	Text11 print (X-axis)	
F-32	Text11 print (Y-axis)	
F-33	Text12（default is“Text12”）print font	
F-34	Text12 print (X-axis)	
F-35	Text12 print (Y-axis)	
F-36	Text13（default is“Text13”）print font	
F-37	Text13print(X-axis)	
F-38	Text13print(Y-axis)	

F-39	Text14（default is“Text14”）print font	
F-40	Text14print(X-axis)	
F-41	Text14print(Y-axis)	
F-42	Text15（default is“yuan”）print font	
F-43	Text15print(X-axis)	
F-44	Text15print(Y-axis)	
F-45	Text16（default is“yuan”）print font	
F-46	Text16print(X-axis)	
F-47	Text16print(Y-axis)	
F-48	Text17（default is“Text17”）print font	
F-49	Text17print(X-axis)	
F-50	Text17print(Y-axis)	
F-51	Text18（default is“Text18”）print font	
F-52	Text18print(X-axis)	
F-53	Text18print(Y-axis)	
F-54	Text19（default is“C”）print font	
F-55	Text19print(X-axis)	
F-56	Text19print(Y-axis)	
F-57	Text20（default is“kg”）print font	
F-58	Text20print(X-axis)	
F-59	Text20print(Y-axis)	
F-60	Text21（default is“(”）print font	
F-61	Text21print(X-axis)	
F-62	Text21print(Y-axis)	
F-63	Text22（default is“/kg”）print font	
F-64	Text22print(X-axis)	
F-65	Text22print(Y-axis)	
F-66	Text23（default is“）”）print font	
F-67	Text23print(X-axis)	
F-68	Text23print(Y-axis)	
F-69	Text24（default is“kg”）print font	
F-70	Text24print(X-axis)	
F-71	Text24print(Y-axis)	
F-72	Text25（default is“kg”）print font	
F-73	Text25print(X-axis)	
F-74	Text25print(Y-axis)	

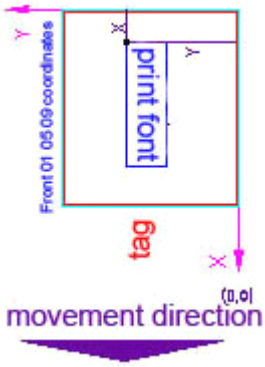
F-75	Text26（default is“Text26”）print font	
F-76	Text26print(X-axis)	
F-77	Text26print(Y-axis)	
F-78	Text27（default is“Text27”）print font	
F-79	Text27print(X-axis)	
F-80	Text27print(Y-axis)	
F-81	Text28（default is“Text28”）print font	
F-82	Text28print(X-axis)	
F-83	Text28print(Y-axis)	
F-84	Text29（default is“Text29”）print font	
F-85	Text29print(X-axis)	
F-86	Text29print(Y-axis)	
F-87	Text30（default is“Text30”）print font	
F-88	Text30print(X-axis)	
F-89	Text30print(Y-axis)	
F-90	Text31（default is“Text31”）print font	
F-91	Text31print(X-axis)	
F-92	Text31print(Y-axis)	
F-93	Text32（default is“Text32”）print font	
F-94	Text32print(X-axis)	
F-95	Text32print(Y-axis)	
F-96	None	

4.5.3 Printing Explanation

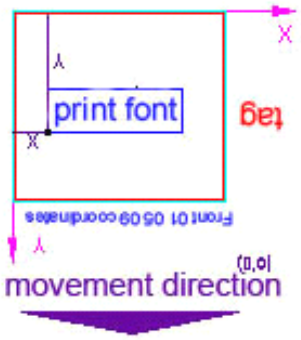
Print directions explanation:



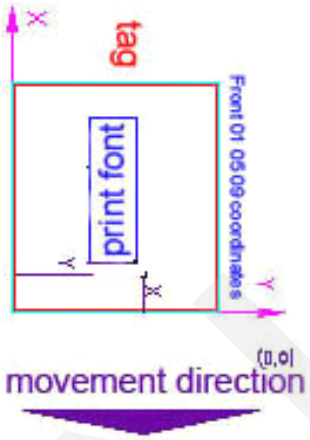
Font：01、05、09、13、17、21、25、29



Font：02、06、10、14、18、22、26、30



Font：03、07、11、15、19、23、27、31



Font：04、08、12、16、20、24、28、32

Font explanation：

Font	Size (mm) （Chinese/Character）	Vortical angle （four charts）	Example （Character）
1	3×3/1.5×3	180°	∀
2	3×3/1.5×3	90°	＜
3	3×3/1.5×3	0°	A
4	3×3/1.5×3	270°	＞
5	6×6/3×6	180°	∀
6	6×6/3×6	90°	＜
7	6×6/3×6	0°	A
8	6×6/3×6	270°	＞
9	6×3/3×3	180°	∀
10	6×3/3×3	90°	＜
11	6×3/3×3	0°	A
12	6×3/3×3	270°	＞
13	3×6/1.5×6	180°	∀
14	3×6/1.5×6	90°	＜
15	3×6/1.5×6	0°	A
16	3×6/1.5×6	270°	＞
17	None/1×2	180°	∀
18	None/1×2	90°	＜
19	None/1×2	0°	A

20	None/1×2	270°	
21	None/2×4	180°	
22	None/2×4	90°	
23	None/2×4	0°	
24	None/2×4	270°	
25	None/2×2	180°	
26	None/2×2	90°	
27	None/2×2	0°	
28	None/2×2	270°	
29	None/1×4	180°	
30	None/1×4	90°	
31	None/1×4	0°	
32	None/1×4	270°	

4.6 IP Setting

4.6.1 Original com IP Address

※*only for Ethernet scale setting*

Initialize network card's IP address:

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 9 0 0 1				
Press ENTER , initialize network card IP address				

NOTE: If change IP address, restart the scale .

4.6.2 Manually modified com IP Address

Manually modified com IP address (For example ,change IP to be 192.158.1.10)

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Press FUNC				
Press 9 0 0 2				
Press ENTER ,Input 1 9 2				
Press ENTER ,Input 1 5 8				
Press ENTER ,Input 1				
Press ENTER ,Input 1 0				
Press ENTER ,return to original state				

NOTE: If change IP address, restart the scale .

5、Content Editing

5.1 PLU Information Setting

This scale can save 4000 PLU information. Entrance of editing PLU is:

FUNC →PLU number → ENTER

Step	Operation	Display			
		Tare	Net Weight	Unit Price	Total Price
0	Free State				
1	Indicator light is on, press FUNC				
2	Press ❶				
3	Press ENTER Input stock				
4	press Tare ,input tare value (Attention:the way to heave weight ,the tare)				
5	Presss Tare , input unit price				
6	Input unit price value(no decimal) press Tare , entrance to set way of computing price： 0 = computing weight； 1 = counting pieces ； 2 = fixed weight;				

7	press Tare , then set special information number				
8	Input valid days press Tare , Input valid days				
9	, press Tare then set product code				
10	Input product code press Tare , then set barcode marks **02**				
11	press Tare , then input goods names. (Input 3bits that means first letter) , For example input “Hello” table displays: “072”, there you input **072**）				**072**
12	press Tare (Input 3bits that means second letter), Input （input “e”, table displays: **101**				**101**
13	Press Tare , Input 3bits that means third letter) （ the table display : “l” = “108”, input **108**）				**108**

14	Press [Tare], Input 3bits that means fourth letter) （the table display：“l”＝“108”, input **108**				**108**
15	Press[Tare], Input 3bits that means fifth letter) （the table display：“o”＝“111”, input **111**				**111**
16	Press[Tare],other words is also yet.	……			
17	Press [Tare] ,input **00**, Press [ENTER] End input and return to standby。				

5.2 Special Information Editing

※ *this scale can afford 22 special information,* PLU can adopt 3 of them to print;.
Password of special information setting is“44444”.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press [FUNC]				
Press**44444**				

Press ENTER , set first special information				XX

Press Zero 、 Tare can look over settings upwards or downwards,press key multiple to set special information number.
Here we set No.1 special information.

(For example: inputting Welcome)				
Input ASCII code of “W”：087				**87**
Press Tare , input ASCII code of “e”:101				**101**
Press Tare , input ACSII code of “l”：108				**108**
Press Tare , input ACSII code of “c”：099				**099**
Press Tare , input ACSII code of “o”:111				**111**
Press Tare , input ACSII code of “m”:109				**109**
Press Tare , input ACSII code of “e”:101				**101**
Press Tare , input 000 to end.				**000**
.....				
Set all the information，press ENTER save and return to free state.				

5.3 Text Editing

※ this scale can afford 16 Chinese text(1-16) and 16 character text (17-32) to print, but user only can use 17-32.All the text can afford 30 characters to print.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUN C				
Press 4 0 0 1				
Press ENTER, set first text information				XX
Press MULTI, can circulate and shift Text number(n1-n32); Press Zero、TARE can look over settings upwards or downwards; Here we set No.17 text information.				
(For example setting content: Net)				XXX
Input ACSII code of “N”:078				
Input ACSII code of “e”：101				
Input ACSII code of “t”：： 116				
Press TARE, input 000 to end				
Setting all text, press FUNC to save and return to free state				

6. Statistics

6.1 Statistics Form（Only in a continuous paper condition for statistical reports.）

For checking the report :

FUNC → Report Password → ENTER

No	Report name:	Password:
1	Time daily reports	8804
2	A single commodity Time daily reports	8805
3	A single commodity time collect report	8806
4	Day sales reports	8807
5	A single commodity day sales reports	8808
6	Day sales detailed reports	8809
7	A single commodity Day sales detailed reports	8810
8	Time detailed report	8811
9	A single commodity collect reports	8812
10	A single commodity timet reports	8816

Attention: Sometimes the report date is very many, after printing it by electronical scale ,then worrr it., For example as follows:

6.1.1 Time daily reports

Time daily reports' password is 8804

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				

When setting the light is on，Press FUNC				
Press 8 8 0 4				
Press ENTER，display the current date: 080602				
Press ENTER ,display the time to query				
Input the time to query,for example from 7:00 to 23:00,then input 0 7 2 3				
Press ENTER print report,display returning standby				

6.1.2 A single commodity time reports

A single commodity time reports' password is "8805"

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
When setting the light is on，Press FUNC				
Press 8 8 0 5				
Press ENTER , display the current date::08 6 2				
Press ENTER ,display the time to query				

put the time to query,forexample from 7:00 to 23:00,then input 0 7 2 3				
press ENTER				
Input a number to be query PLU, , if query goods of NO .1 , input 1				
Press ENTER ,then print reports and display returning standby state.				

6.1.3 A single commodity time reports

A single commodity Time collect reports'password is 8806"

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
When setting the light ison, Press FUNC				
Press 8 8 0 6				
Press ENTER , display the current date: 080602				
Press ENTER ,display the time to query				

put the time to query,forexample from 7:00 to 23:00,then input 0723				
Press ENTER				
Input a number to be query PLU, forexample,query goods from No.11 to No.20，input 20 （System default values start from No.1，so only need to direct input end of the number.）				
press ENTER print reports and display returning standby state.				

8. Clear

8.1 Clear Data of Statistics

Password of clear data of statistics is 8201.
PS: Executing this order will clear the whole dealing data, and can not be recovered.

Operation	Display			
	Tare	Net Weight	Unit Price	Total Price
Free State				
Indicator light is on, press FUNC				
Press 8201				
Press ENTER, print and return				

8.2 Initialization

Attention：The Function will clear all PLUinformation，lable information，report information and all associated setting .can how be recoveried。

Operation	Display			
	Tare		Tare	
ree State				
Indicator light is on, press FUNC				
Press 9371				
Press Enter Start initialization ， Display flashing				
Return standby, Initialization ender				

9. Software Supporting

9.1 System Demand

OS：Software can be installed at WIN 2000, WIN NT system

9.2 Installation

Disc automatically installs. Insert CD, view installation interface automatically, then follow the instruction to complete installation.

9.3 Main Functions

Through the software, user can set all parameters of the scale and download and upload data.
Seen as follows:

- ✓ Create, edit, upload and download PLU information, special information, text information and each kind of information;
- ✓ Set PLU short-cut key then print PLU content;
- ✓ Design labels by yourself;
- ✓ Set system parameters;
- ✓ Searching, editing IP address of scale;
- ✓ Upload and download labels;
- ✓ Upload the list of sales and print all kinds of statistics.。