BARCODE PRINTING SCALE
BAYLAN TM-F

User's Manual

2020

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.

◆ Ensure 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.

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Warning........**Error! Bookmark not defined.**
Matters needing attention........**Error! Bookmark not defined.**

一、Explanation and instruction set

1.1 Noun explanation

- PLU：that refers to commodity information,including serial number,commodity code,unit price,department number,valuation method,expiry date etc.
- Chinese characters location code：each Chinese character is represented by 4 digit codes when entry Chinese information,Chinese characters location code is 4 codes for each Chinese character。
- ASCII code：each character is represented by the 4 digit codes when input character information,each code is ASCII code。
- Weighing valuation：a pricing method of PLU,namely according to the weight to value the price of goods。
- Piece rate pricing：a pricing method of PLU,namely according to the quantity of the goods to calculate the price。
- Fixed weight valuation：a pricing method of PLU,namely according to the amount of a fixed weight to calculate the price of goods。

1.2 Instruction set

	Requirements for Operation purpose	Methods	Step		The realization of operating results
			The first step	The second step	
1	Adjustable PLU date		Press the shortcut,when press once,it chooses the up shortcut,when press twice in two seconds,it chooses the down shortcut		tare weight, unit price and so on of the PLU can be displayed
		②	Press the number keys	Press PLU	①and② is through PLU number call commodity information
		③	Press PLU	Press the number keys	(3) through the code calls the commodity information
2	Clear the PLU information of the current display	①	Press CLEAR		Clear the PLU information of the current display
3	Tare	①	Press TARE after objects are placed on the scale		Remove the tare weight

		②	Input the weight value of the tare	Press TARE	
4	Check the time	①	Press DATE		Display the date month year of the current time
5	The feature set	①	Press FUNC	Press ENTER after input the functon password	enter the corresponding feature set
6	The unit price discount (label paper and continuous paper can apply)		Press DISC	Press ENTER after enter the discount percentage	Implement the unit price discount
7	The whole list discount (continuous paper sales)	①	Press DISC in the condition of the cumulative	Press ENTER after enter the whole list discount	Implement the whole list discount
8	Total rounding (continuous paper sales)		Press ZERO in the condition of the cumulative	Press ENTER Input rounding amount	Implement total rounding
9	Change the count number	①	According to the quantity	Press MULTI	Implement the change of quantity
10	Total content clear	①	First press +A (or +B、+C、+D), second press FUNC	Press CLEAR	Implement all memory of +A (or +B、+C、+D)clear

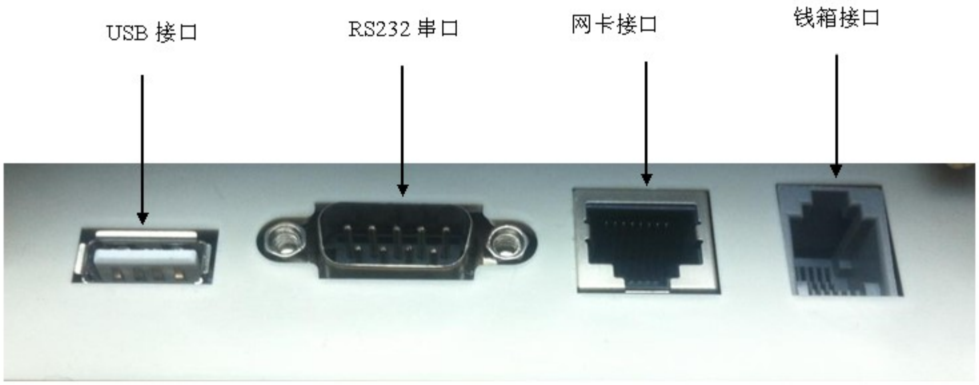
11	Automatic weighing printing method	①	First press PLU shortcut key,second press FUNC	Press PRINT in 5 seconds	Enter the state of automatic printing (weighing method)
12	Automatic print count method	①	First press PLU shortcut key,second press FUNC.Input interval time after Press PRINT in 5 seconds		Enter the state of automatic printing (count method)
13	Automatic print fixed weight method	①	First press PLU shortcut key,second press FUNC.Input interval time after Press PRINT in 5 seconds	Press ENTER	Enter the state of automatic printing (fixed weight method)
14	Cancel the automatic printing function	①	Press CLEAR		Restore single print function
15	Continuous paper sales	①	press the PLU shortcuts, then put items.when it is stable ,the light will be lit.	press +A (or +B、+C、+D)，and Cashier on four customers at the same time	Aggregate amount , press DATE.After input paid-in amount, press PRINT键,and print out the receipt

二、Overview

2.1 Appearance

2.1.1 The appearance figure of barcode printing price computing scale

2.1.2 Each interface diagram Of barcode printing price computing scale



Note:the configuration of the balance of various sizes is different, so the installation interface may be different. please determine before buying.

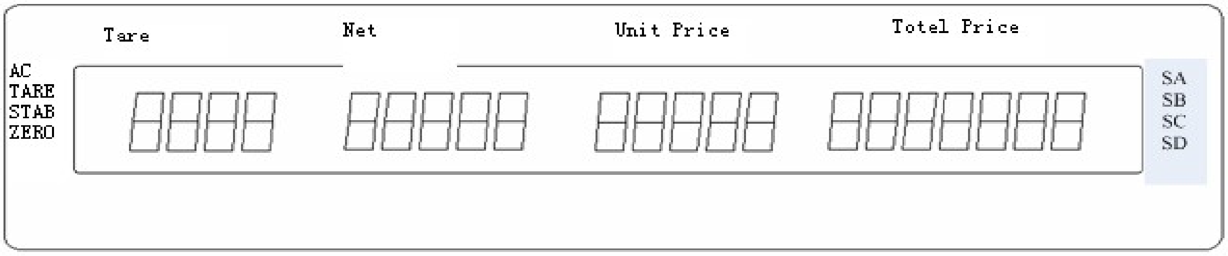
2.2 Installation

The show rod of this kind of scale don't need to install,and just put the poling stand up.

2.3 Display and keyboard

2.3.1 Display

1.The photo of Stud type of barcode printing scale


Tare
Net
Unit Price
Totel Price
AC
TARE
STAB
ZERO
SA
SB
SC
SD

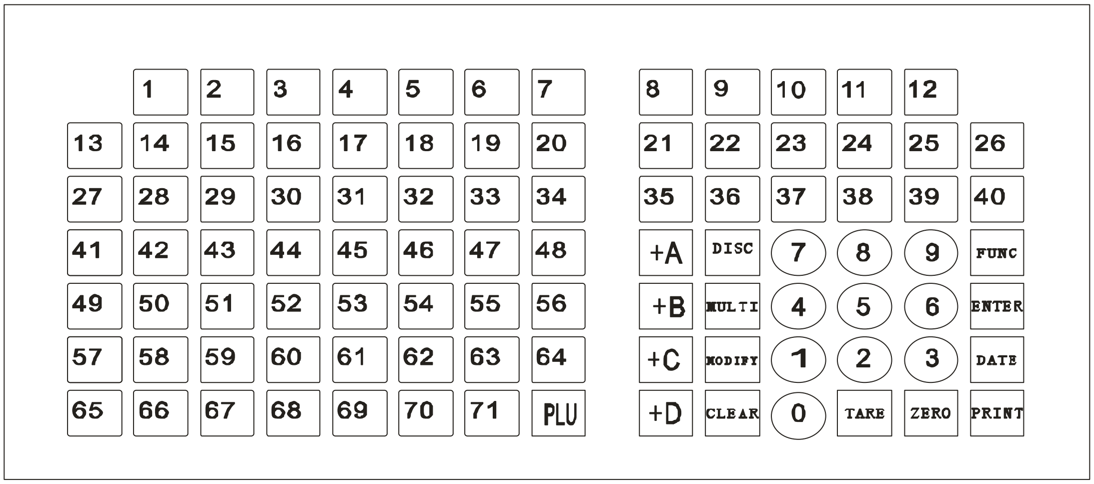
Indicator Lights

- Power source: When the scale is powered on, the power indicator light will be lit
- Tare: When taring scale or display shows tare weight ， tare indicator light will be lit
- Stability: When weight indicated on display is stable，stability indicator light will be lit
- Zero weight: When display shows zero weight, zero weight indicator light will be lit
- SA、SB、SC、SD：Corresponding to **+A**, **+B**, **+C**, **+D** when cumulative amount is available, indicator light will be lit

2.3.2 Keyboard

1.The keyboard map of platform type barcode printing price computing scale :As above (platform type figure)

2.The keyboard map of Stud type of barcode printing price computing scale:


1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24 25 26
27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 +A DISC 7 8 9 FUNC
49 50 51 52 53 54 55 56 +B MULTI 4 5 6 ENTER
57 58 59 60 61 62 63 64 +C MODIFY 1 2 3 DATE
65 66 67 68 69 70 71 PLU +D CLEAR 0 TARE ZERO PRINT

⓿～❾：Number key is used to input number values

1. [PRINT]——Prints receipt
2. [DATE]——Display the current date and time or as a cashier input paid-in amount as a cashier
3. [CLEAR]——Clear the input data、memory, and back to the main interface (namely standby)
4. [+A]、[+B]、[+C]、[+D]accumulation keys，4 sets total，all four sets can be accumulated simultaneously，with continuous paper printing

5. [DISC]——Input unit price discount when in the state of single unit ，input total purchase discount when in the state of accumulated merchandise
6. [MULTI]——Can be used to input number of units when calculating by merchandise units（does not need to be operated with items loaded）
7. [MODIFY]——Can be used to adjust cumulative data.
8. [FUNC]——It is used when setting.Various functions can be reset using the “FUNC” key。
9. [ENTER]——Each time a function is reset, this button is be used for verification，otherwise the data remains unchanged.
10. [TARE]——Subtracts tare weight. When tare weight is loaded, key is ineffective。When in setup state, proceed to next step.
11. [ZERO]——eliminates non-zero digits outside of rounding range and inputs value of 0；note that the rounded off value cannot exceed 4% of total weight. When in setup state, proceed to next step. When in accumulated merchandise is loaded, pressing key leads to rounding of total price.
12. [PLU]—— Call the PLU date

2.4 Specifications

- Power: $220V^{+10\%}_{-15\%}$ Frequency: 50Hz
- Temperature: Normal operating temperature ranges 0℃～40℃; Storing temperature ranges -10℃～40℃
- Humidity: ≤85％RH
- Maximum load (verification scale): 3kg (1g), 6kg (2g), 15kg (5g), 30kg (10g)
- Accuracy level: Level Ⅲ
- Display: Two-sided red LED display: Tare weight display 4 digits, net weight display 5digits, unit price display 5 digits, total price display 7digits；

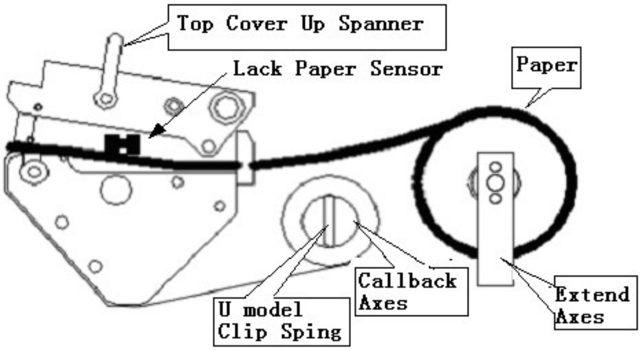
2.5 Printer

2.5.1 Printer parameters

- Printing method: Thermal
- Font: GB grade 1, 2 Chinese fonts
- Printing speed: 75mm/s
- Printing width: 56mm
- Paper roll width: 60mm（Max.）
- Paper roll outside: 100mm（Max.）
- Paper roll inside diameter: 25mm（Min.）

2.5.2 Install paper

1. First the paper roll installs on the distribution of shaft
2. Raise the print head, put the paper into the print head directly, and the label paper is located under the lack of paper sensor
3. Press the print head；
4. Wire on the interleaving paper recycling shaft with U circlip can (as shown in the figure below)



2.5.3 Switch the state between label paper and the continuous paper

When fitted with label paper, barcode printing price computing scale switch is opened.the bar code printing price computing scale perform stroke self-check,at the same time press the number keys ⑤ ,the screen displays LAb-P or LLLLLLL words , which suggests that switch is successful,electronic scale automatic restart.

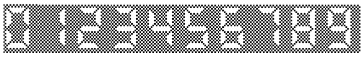
When fitted with continuous paper, barcode printing price computing scale switch is opened, the bar code printing price computing scale perform stroke self-check, at the same time press the number keys ⑥,the screen displays ConF-P or CCCCCCC words,which suggests that switch is successful,barcode printing price computing scale automatic restart.

* if the first switch is not successful, please switch again。

2.6 The method of reading This manual

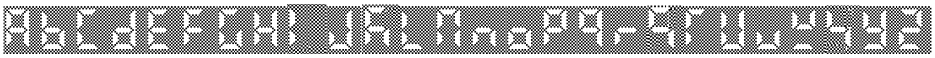
- When reading manual, operations are listed on the left column, the image displayed after operation is shown on right column.
- Before reading instruction manual, please verify the state of the electronic scale.
- If an accident occurs during operation, the CLEAR key can be directly pressed to exit the operation, and previous changes will not be saved
- Symbols referred to by the manual as shown on display below:

  1.Corresponding numerical digits



0123456789

  2.Corresponding alphabetical letters

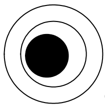


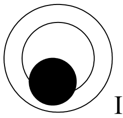
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

三、User Guide

3.1 Initial preparation

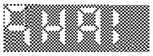
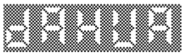
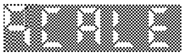
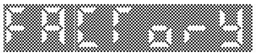
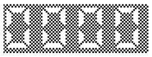
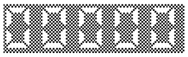
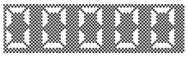
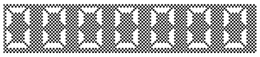
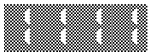
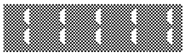
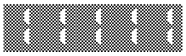
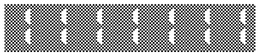
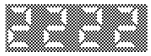
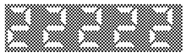
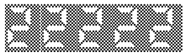
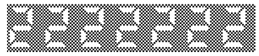
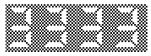
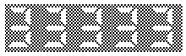
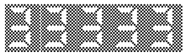
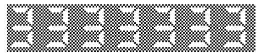
1. Before use please ensure the scale is well connected to a grounded power source
2. Ensure the scale is set on a stable surface，remove any heavy objects on the scale，and make sure the scale is not loaded
3. Make sure the scale is on a level surface, or adjust the feet so that the water bubble in the leveling instrument is in the middle， as shown in the image below


Correct position


Incorrect position

4. Before use verify that the printer is loaded correctly.

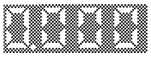
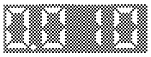
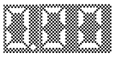
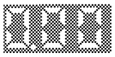
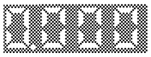
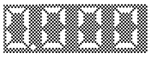
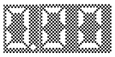
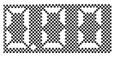
3.2 Start-up

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
After checking that the scale is unloaded, turn on the power and scale will display factory information	Welcome			
				
Electronic scale performs stroke self-inspection	Welcome			
				
	Welcome			
				
	Welcome			
				
	Welcome			
				

	Welcome			
	4444	44444	44444	4444444
	Welcome			
	5555	55555	55555	5555555
	Welcome			
	6666	66666	66666	6666666
	Welcome			
	7777	77777	77777	7777777
	Welcome			
	8888	88888	88888	8888888
	Welcome			
	9999	99999	99999	9999999
	Welcome 2015-05-16 10:30			
After resets to zero automatically zero location and enter the standby mode, electronic scale is ready to load	0.000	0.000	0.00	0.00

3.3 Manual zero

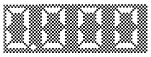
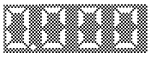
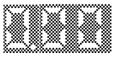
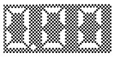
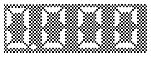
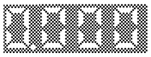
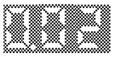
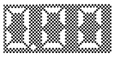
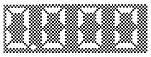
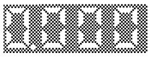
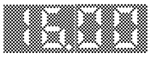
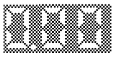
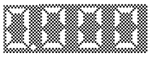
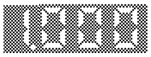
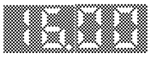
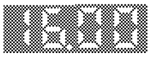
After a certain period of use, scale may show deviations from zero. If needed,, you can manually reset through pressing the zero key.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
When scale is unloaded,there will be net weight numerical display	Welcome 2015-05-16 10:30			
				
Press ZERO	Welcome 2015-05-16 10:30			
				

Note：If it is needed, a lightweight tray may be placed on the scale and scale can be manually zeroed, but zeroed range cannot exceed 4％ of the net weight.

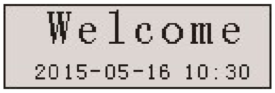
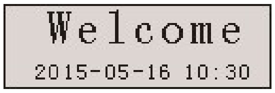
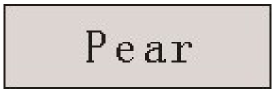
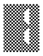
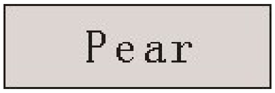
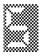
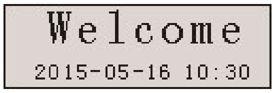
3.4 Sale

3.4.1 Weighing commodity sales

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
				
Enter PLU code，(such as for commodity No. 2), then enter ❷	Welcome 2015-05-16 10:30			
				
When pressing PLU , unit price display will show No. 2's PLU unit price，e.g. 16 yuan/kg	Apple			
				
Put the goods that stay weight (e.g. the weight of 1 kg)	Apple			
				
Press PRINT,and it can print out the	Welcome 2015-05-16 10:30			

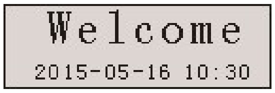
ticket and take goods				

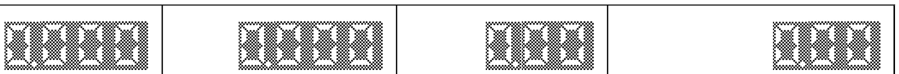
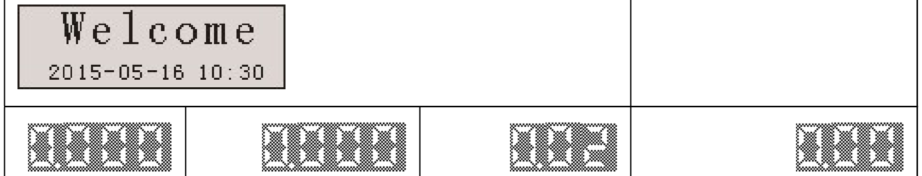
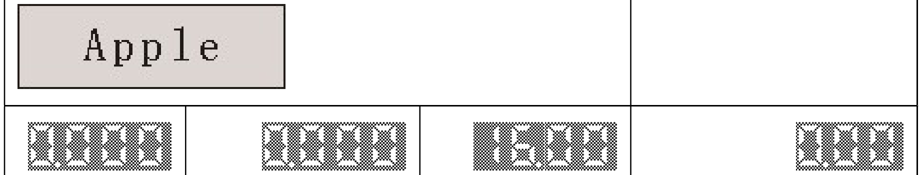
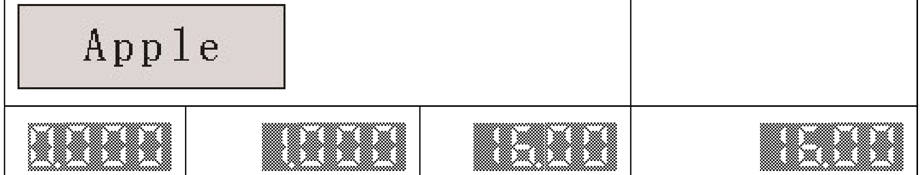
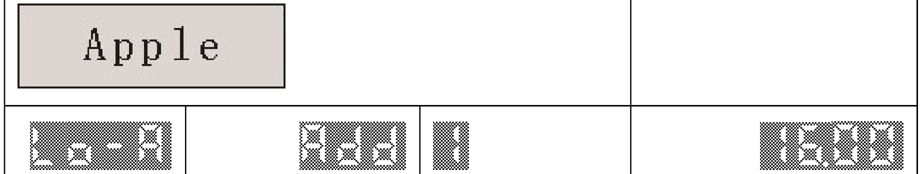
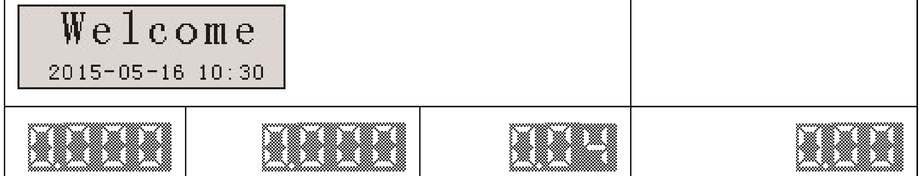
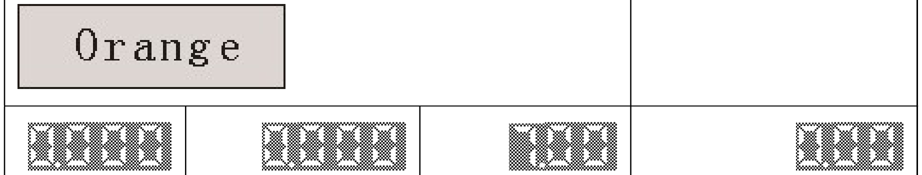
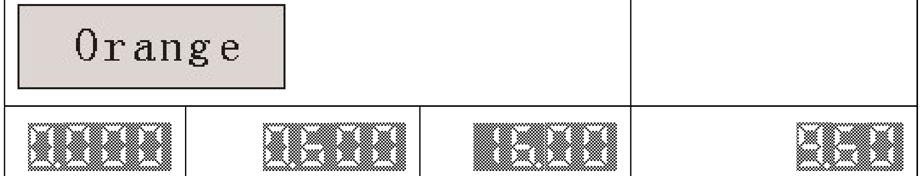
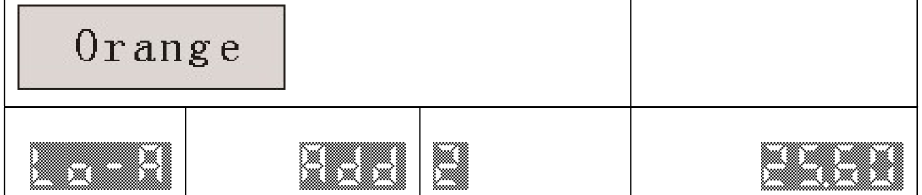
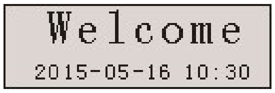
3.4.2 Piece goods sales

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Enter PLU code, (such as for commodity No. 3), then enter 3	 Welcome 2015-05-16 10:30			
When pressing PLU, unit price display will show No. 3's PLU unit price, e.g. 18 yuan/unit	 Pear			
				
If selling only one item, directly press PRINT to print receipt. If selling multiple units of merchandise (e.g. 5 units), enter 5 MULTI	 Pear			
				
Press PRINT and print receipts	 Welcome 2015-05-16 10:30			

3.4.3 Multiple products sales

Note: this function can be used only in the condition of continuous paper .

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			

	
Enter PLU code，(such as for commodity No. 2) then enter ❷	 Welcome 2015-05-16 10:30
When pressing PLU , unit price display will show No. 2's PLU unit price，e.g. 16 yuan/kg	
Put the goods that stay weight (e.g. the weight of 1 kg)	
Press +A ,and start to accumulate price	 Apple Lo-A Add 1
Enter PLU code of second commodity item，(such as for commodity No. 4), then enter ❹	 Welcome 2015-05-16 10:30
When pressing PLU , unit price display will show No. 4's PLU unit price，e.g. 7 yuan/kg	
Put the goods that stay weight (e.g. the weight of 600 g)	
Press +A (or +B 、 +C 、 +D)	 Orange Lo-A Add 2
Press PRINT to print receipt，unload	 Welcome 2015-05-16 10:30

merchandise （Note：if a receipt is not printed，you must press MODIFY to erase the accumulated contents of current transaction，to avoid affecting the next transaction）	0.000	0.000	0.00	0.00

Note: the piece goods sales 50 most at a time

3.4.4 Change function of continuous paper

This function is valid only in the condition of continuous paper.in the condition of continuous paper, after aggregate amount, press the "date" key after aggregate the amount and input paid-in amount, which can realize the change function.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Enter PLU code, (such as for commodity No. 2), then enter ②	Welcome 2015-05-16 10:30			
	0.000	0.000	0.02	0.00
When pressing PLU , unit price display will show No. 2's PLU unit price，e.g. 16 yuan/kg	Apple			
	0.000	0.000	16.00	0.00
Put the goods that stay weight (e.g. the weight of 1 kg)	Apple			
	0.000	1.000	16.00	16.00
Press +A ,and start to accumulate price	Orange			
	Lo-A	Add	1	16.00
Press DATE	Orange			

	-3	15.00	0.0	15.00
Input the amount the customer pays, for example if customer pays 20 yuan, enter ❷⓿⓿⓿	Orange			
	-3	20.00	5.00	15.00
Press PRINT and print receipts, then take the goods	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

3.4.5 Fixed weight of goods sales

Fixed weight merchandise sales must be preset on scale （consult 5.1 PLU information input).Call the PLU, press +A or（ +B , +C , +D), press PRINT and print receipt before printing fixed weight of goods sales 。

3.5 Taring

The scale can three kinds of taring: preset taring, physical taring, digital taring. The preset tare involves the PLU settings, so it is explained in the PLU settings sections.The settings of physical taring,and digital taring as follows.It is not allowed to peel them when the window is not at zero state it is not allowed to peel them,after the scale powered on.

3.5.1 Physical taring

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Call commodity No. 2 PLU（as in above section 3.4.1）,then press ❷ and PLU	Apple			
	0.000	0.000	15.00	0.00

Put the goods that stay weight (e.g. A 600 g tray)	Apple			
	0.000	0.600	15.00	9.00
Press TARE	Apple			
	0.600	0.000	15.00	0.00
Put the goods that stay weight（e.g. the weight of 1 kg）	Apple			
	0.600	1.000	15.00	15.00
Press PRINT and print receipts, then take commodity and tray	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

3.5.2 Digital taring

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Call commodity No. 2 PLU（as in section 3.4.1）.Press ❷ and PLU	Apple			
	0.000	0.000	15.00	0.00
Input tare weight (e.g. 600g）	Apple			
	0.000	0.000	6.00	0.00
Press TARE	Apple			
	0.600	-0.600	15.00	0.00

Put the tare goods that stay weight (e.g. net weight of 1 kg, tare weight of 600g）	Apple			
	0.600	1.000	15.00	15.00
Press PRINT , print receipts and take the goods	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

3.6 Changing Unit Price

Note：Only when the settings allow manual discounts（details on settings consult section 4.1 to see whether settings allow discounts），the user can the user change unit prices.

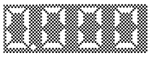
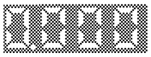
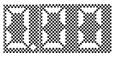
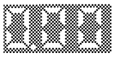
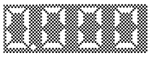
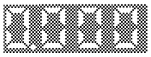
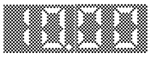
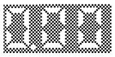
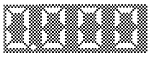
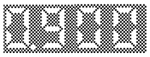
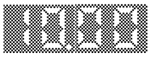
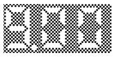
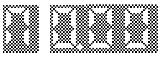
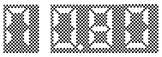
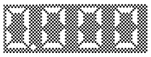
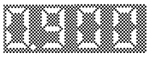
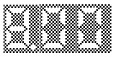
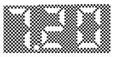
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Call No. 2 commodity PLU（as in section 3.4.1） Press 2 and PLU	Apple			
	0.000	0.000	15.00	0.00
Input new unit price（e.g. 15.00 yuan/kg）	Apple			
	0.000	0.000	15.00	0.00
Put the goods that stay weight (e.g. The weight of 1 kg）	Apple			
	0.000	1.000	15.00	15.00
Press PRINT , print receipts and take the goods	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

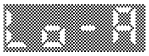
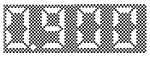
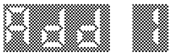
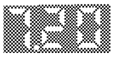
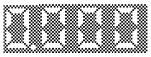
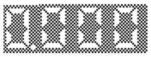
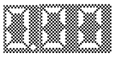
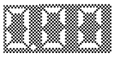
※ The above operation is allowed when the settings allow changing price. It temporarily changes the unit price and will not be saved after printing a receipt. If you want to completely change the unit price，please consult section 5.1: PLU information editing。

3.7 Discounts and Rounding

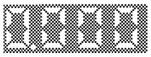
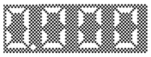
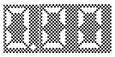
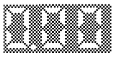
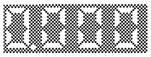
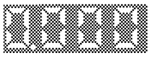
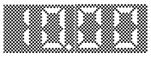
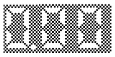
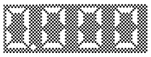
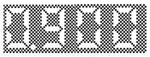
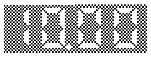
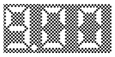
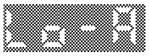
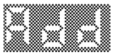
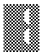
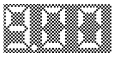
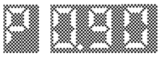
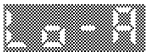
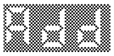
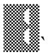
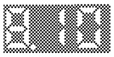
This scale system supports unit price discounts and total price discounts. In default of commodity information unit price that is not under the condition of zero can discount.

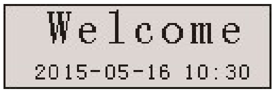
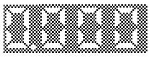
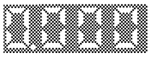
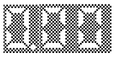
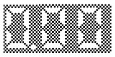
3.7.1 Unit price discounts

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
				
Call the commodity No. 2's PLU code (as in section 3.4.1), and press ❷ and PLU	Apple			
				
Put the goods (e.g. The goods weighs 900g)	Apple			
				
Press DISC	Apple			
				
Input discount percentage. For example, if desired price is 80%, enter "80"	Apple			
				
Press ENTER	Apple			
				

Press +A	Apple			
				
Press PRINT , print receipts and take the goods	Welcome 2015-05-16 10:30			
				

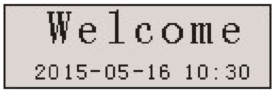
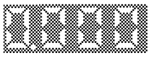
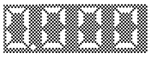
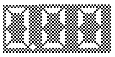
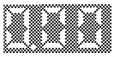
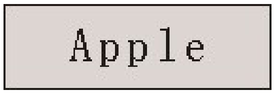
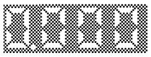
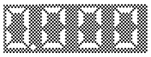
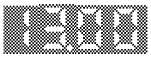
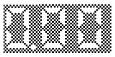
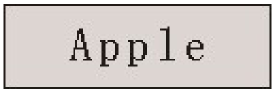
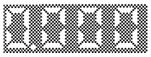
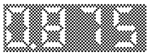
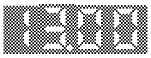
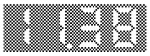
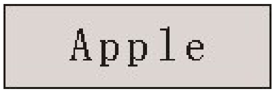
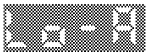
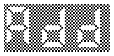
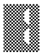
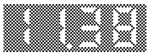
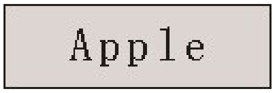
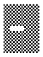
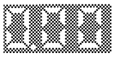
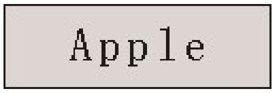
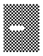
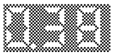
3.7.2 Total price discounts （Note: this section is effective only in the condition of continuous paper.）

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
				
Call the commodity No. 2's PLU code（as in section 3.4.1), then press ② and PLU	Apple			
				
Put the goods (e.g. The goods weighs 900g)	Apple			
				
Press +A	Apple			
				
Press DISC , If the desired price is 90% , enter ⑨⓪	Apple			
				
Press ENTER	Apple			
				

Press PRINT , print receipts and take the goods				
				

3.7.3 Rounding total price（Note: this section is effective only in the condition of continuous paper.）

When the customer is making a purchase, the situation may occur when the price may be a few cents larger than a whole denomination, and the customer may not have loose change available. At this time the cashier may exercise discretion and give the customer a slight discount and take off the extra amount. Note: price rounding function can only be used when rounding function is on in system and set rounding range, consult section 3.7.4 on rounding range settings.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode				
				
Call PLU code, such as commodity No. 2， then press ❷ and PLU				
				
Put the goods (e.g. The goods weighs 875g)				
				
Press +A				
				
Press ZERO				
				
Input change amount. we see the amount of 0.38, then we input ❸❽				
				

Press ENTER	Apple			
	Lo-A	Add	1	1.00
Press PRINT , print receipts and take the goods	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

3.7.4 Setting of rounding range

The password of the rounding range is “8815”

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	Function system para(39706)			
	FunC			
Input 8 8 1 5	Function system para(39706)			
	FunC		8815	
Press ENTER	Function system para(39706)			
			0.00	
Input the desired rounding range. For example, if 5.00 is the desired rounding range, input 5 0 0	Function system para(39706)			
			5.00	
Press PRINT	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

The set is completed.If the rounded amount exceeds 5 yuan, the t operation cannot be completed

3.8 Auto printing

3.8.1 Auto printing (weighing method)

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press PLU shortcut key (such as 6 keys, and assuming that is the whole case of apple, 6 key preset unit price is RMB 1.20 yuan/kg, weighing 500 g)	Function system para(39706)			
	0.500	-0.500	1.20	0.00
press FUNC	Function system para(39706)			
	FUnC			
Press PRINT in 5 seconds	Apple			
	0.500	-0.500	1.20	0.00
Put the first cases of apple (e.g., 10 kg), it will print out the label automatically when the scale stabilized.	Apple			
	0.500	9.500	1.20	11.40
Take the apple	Apple			
	0.500	-0.500	1.20	0.00
Put the second cases of apple (e.g.9.5 kg), it will print out the label automatically when the scale	Apple			

stabilized.	0.500	9.000	1.20	10.80
Take the apple, and repeat the above operation	Apple			
	0.500	-0.500	1.20	0.00
All is ok ,press CLEAR and restore the standby mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

3.8.2 Auto printing(counting method)

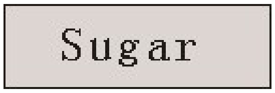
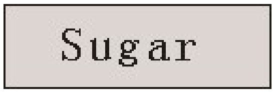
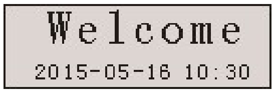
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press the PLU shortcut key (such as 7 key, and assumes that no. 7 key corresponding is the cigarette, the unit price is RMB 1.50 yuan/package)	Pear			
		1	1.50	1.50
Suppose you want to print 10 cigarettes ，press[10]	Pear			
		1	0.10	0.10
press MULTI	Pear			
		10	1.50	15.00
Press FUNC	Pear			
	FUnC			
Press PRINT in 5seconds	Pear			

	Int		0	
Press numeric keys,input the interval seconds , such as 3 seconds, and press [3]	Pear			
			3	
Press ENTER, automatically print out the first label, and then it prints every 3 seconds .	Pear			
		10	1.50	15.00
Press CLEAR,the print ends and restore the standby mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

Note: input interval seconds that is from 1 second to 5 second and integer to it.

3.8.3 Auto printing(fixed weight method)

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press the PLU shortcut key (such as 8 key, and assumes that no. 8 key corresponding is the white sugar, the unit price is RMB 1.50 yuan/package)	Sugar			
		1.000	1.50	1.50
Press FUNC	Sugar			
	FUnC			
Press PRINT in 5 seconds	Sugar			
	Int		0	

Press numeric keys,input the interval seconds , such as 3 seconds, and press [3]	 Sugar			
			3	
Press ENTER, automatically print out the first label, and then it prints every 3 seconds .	 Sugar			
		1.000	1.50	1.50
Press CLEAR,the print ends and restore the standby mode	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

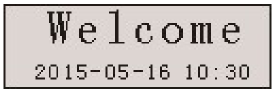
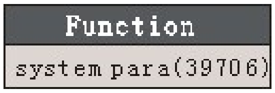
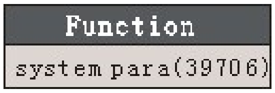
Note: input interval seconds that is from 1 second to 5 second and integer to it.

3.9 Clear the accumulated information

You can press +A (or +B、+C、+D)+ FUNC + CLEAR, clear all the cumulative information of +A (or +B、+C、+D) after accumulated many commodities,and can't clear single commodity.

四、Setting

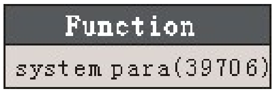
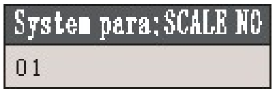
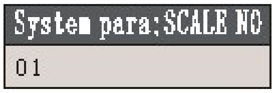
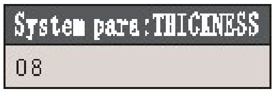
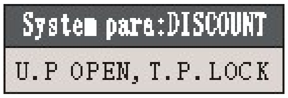
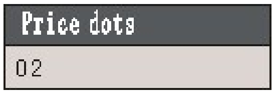
4.1 Change the password

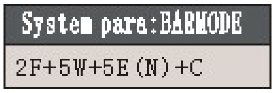
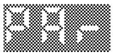
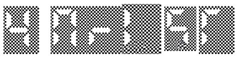
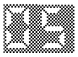
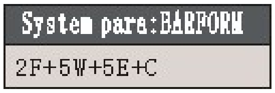
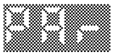
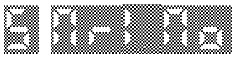
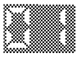
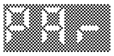
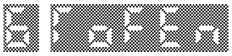
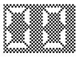
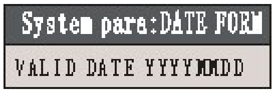
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	 Function system para(39706)			
	FunC			
Press ❸❾❼⓿❶	 Function system para(39706)			

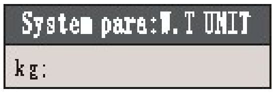
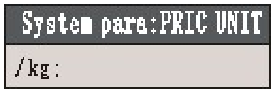
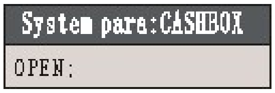
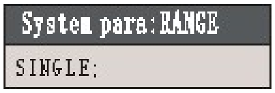
	FUnC		39701	
Press ENTER and enter the old password	Function system para(39706)			
	PASS	oLd		*****
Press ENTER and enter the new password	Function system para(39706)			
	PASS	FnEy		*****
Press ENTER and enter the new password again	Function system para(39706)			
	PASS	FnEy		*****
Press ENTER and return to standby mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

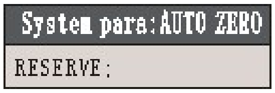
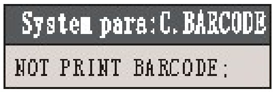
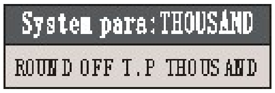
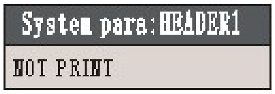
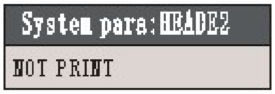
4.2 System parameter setting

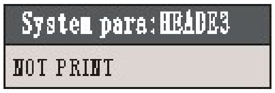
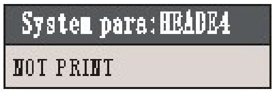
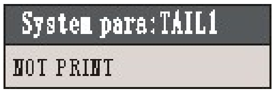
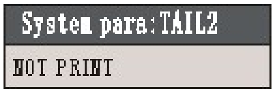
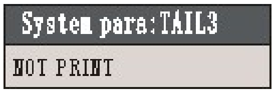
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	Function system para(39706)			
	FUnC	0.000	0.00	0.00
Press 3 9 7 0 6	Function system para(39706)			
			39706	

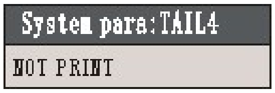
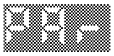
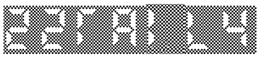
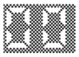
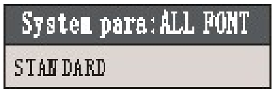
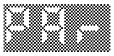
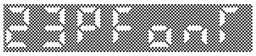
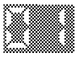
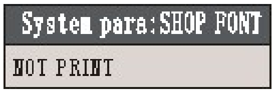
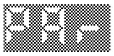
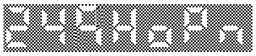
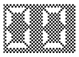
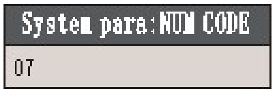
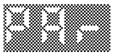
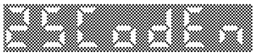
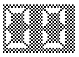
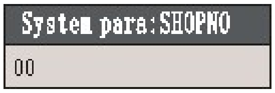
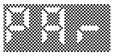
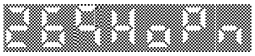
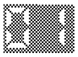
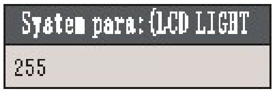
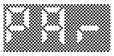
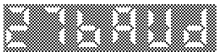
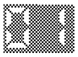
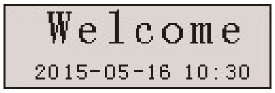
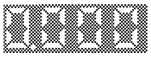
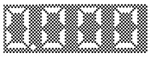
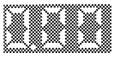
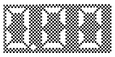
Press ENTER , and input the password (the default password is 11111)	 Function system para(39706)			
				******
Press ENTER and set the scale; XX on behalf of the original scale	 System para;SCALE NO 01			
				XX
Scale range: 00-99 . set the scale as12..press ❶❷ (the factory default Settings is 01, the electronic scale currently does not support this function)	 System para;SCALE NO 01			
Press TARE , set the print density; The concentration range is 01-10, such as: the concentration is 5,then press ❺ (the factory default Settings is 05)	 System para:THICKNESS 08			
Set price discount lock (00 does not allow for price discounts, 01 does not allow unit price and total price to discount, 02 does not the unit pric to discount, 03 allows unit price and total price to discount), for the factory default Settings ⓿❸ Note: when choosing 01 and 02, PLU editor status will be locked , only do you choose00 or 03, you would enter the Settings .	 System para:DISCOUNT U.P OPEN,T.P.LOCK			
Press TARE , the set is used to judge whether allow price rounding or not; 00 - don't allow rounding; 01 - allow rounding; If its settings allow rounding, press ⓿❶; The factory default is 01	 Price dots 02			

<table>
<tr>
<td rowspan="2">Press TARE and set barcode type, barcode types listed below:
01：8 digit code (1F＋6W +C)
02：13 digit code (1F＋6W＋5E/N＋C)
03：18 digit positive code (1F＋6W＋5E+5N+C)
04：18 digit negative code (1F＋6W＋5E+5N+O)
05：13 digit code (2F＋5W＋5E/N＋C)
06：13 digit code (12D＋C)
07：18digit positive code (2F＋5W＋5E+5N+C)
08：18digit negative code (2F＋5W＋5E+5N+O)
Legend:
W is commodity number；E is sum；N is weight；C is positive check sum；D is code number；O is negative check sum；the numbers represent the digits；
Such as select barcode type 02,press ⓿❷
(Default factory setting is 05)</td>
<td colspan="3">
System para:BARMODE
2F+5W+5E(N)+C</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td rowspan="3">Press TARE and set barcode format,: barcode types listed below:
0: (8 digit/13digit fixed code)
1：13 digit price barcode/price in front (18digits)
2：13 digit weight barcode/weight in front (18digits)
Such as select 13 digit price barcode, press ⓿❶
(Default factory setting is 01）</td>
<td colspan="3">
System para:BARFORM
2F+5W+5E+C</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Press TARE to set date/time format:</td>
<td colspan="3">
System para:DATE FORM
VALID DATE YYYYMMDD</td>
<td></td>
</tr>
</table>

01－Packaging, expiry date in yyyy/mm/dd; 02－Packaging, expiry date in yy/mm/dd; 03－Packaging date in yyyy/mm/dd, number of days usable: 04－Packaging date in yy/mm/dd, number of days usable: Such as set format 01, press 0 1 （Default factory setting is 01）				
Press TARE and set weight units；00－kg，01－500g，02-100g，03-50g，04-10g，05-g，such as set unit kg ,press 0 0,Default factory setting is 00）	 System para:W.T UNIT kg:			
Press TARE and set unit price units； 00－/kg，01－/500g，02-/100g，03-/50g，04-/10g，05-/g. Such as set units as per kg，press 0 0 (Default factory setting is 00）	 System para:PRIC UNIT /kg:			
Press TARE and set cash driver ； 00－closed driver；01－open driver； Such as set cash driver closed, press 0 0.（Default factory setting is 01）	 System para:CASHBOX OPEN:			
Press TARE and set double amount weighing: 00－single amount weighing; 01－double amount weighing Such as set double amount weighing,press 0 1 （Default factory setting is 00）	 System para:RANGE SINGLE:			

<table>
<tr><td rowspan="2">Press TARE and select saving price function
00－saved；01－not saved；
Such as select the option of saving function, press 0 0
（Default factory setting is 01）</td><td colspan="3">
System para:AUTO ZERO
RESERVE:</td><td></td></tr>
<tr><td> </td><td> </td><td></td><td> </td></tr>
<tr><td rowspan="2">Press TARE and set barcode printing options:
00－no printing
01－print barcode of every item
02－print barcode of total sum
03－print barcode of every item and total sum
Such as select the option of no printing, enter 0 0
（Default factory setting is 00）</td><td colspan="3">
System para:C.BARCODE
NOT PRINT BARCODE:</td><td></td></tr>
<tr><td> </td><td> </td><td></td><td> </td></tr>
<tr><td rowspan="2">Press TARE and set Li of the amount；00－remove the Li；01－Li rounded;Such as select the option of removing the Li，press 0 0
（Default factory setting is 01）</td><td colspan="3">
System para:THOUSAND
ROUND OFF T.P THOUSAND</td><td></td></tr>
<tr><td> </td><td> </td><td></td><td> </td></tr>
<tr><td rowspan="2">Press TARE and set header of continuous paper printing（call first special information No.1）；
00－no printing；01－print in standard size；02－print in widened font；03－print in lengthened font；04－print in enlarged font；Default factory setting is 00</td><td colspan="3">
System para:HEADER1
NOT PRINT</td><td></td></tr>
<tr><td> </td><td> </td><td></td><td> </td></tr>
<tr><td rowspan="2">Press TARE， and set the second line header of continuous paper printing（call special information No.2）；00－no printing；01－print in standard size；02－print in widened font；03－print in lengthened font；04－print in enlarged font；Default factory setting is 00</td><td colspan="3">
System para:HEADE2
NOT PRINT</td><td></td></tr>
<tr><td> </td><td> </td><td></td><td> </td></tr>
</table>

Press TARE, and set the third line header of continuous paper printing（call special information No.3）; 00－no printing; 01－print in standard size; 02－print in widened font; 03－print in lengthened font; 04－print in enlarged font; Default factory setting is 00	 System para:HEADE3 NOT PRINT			
	PAr	17HEAd3		00
Press TARE, and set the forth line header of continuous paper printing（call special information No.4）; 00－no printing; 01－print in standard size; 02－print in widened font; 03－print in lengthened font; 04－print in enlarged font; Default factory setting is 00	 System para:HEADE4 NOT PRINT			
	PAr	18HEAd4		00
Press TARE, and set the first line footer of continuous paper printing（call special information No.5）; 00－no printing; 01－print in standard size; 02－print in widened font; 03－print in lengthened font; 04－print in enlarged font; Default factory setting is 00	 System para:TAIL1 NOT PRINT			
	PAr	19tAIL1		00
Press TARE, and set the second line footer of continuous paper printing（call special information No.6）; 00－no printing; 01－print in standard size; 02－print in widened font; 03－print in lengthened font; 04－print in enlarged font; Default factory setting is 00	 System para:TAIL2 NOT PRINT			
	PAr	20tAIL2		00
Press TARE, and set the third line footer of continuous paper printing（call special information No.7）; 00－no printing; 01－print in standard size; 02－print in widened font; 03－print in lengthened font; 04－print in enlarged font; Default factory setting is 00	 System para:TAIL3 NOT PRINT			
	PAr	21tAIL3		00

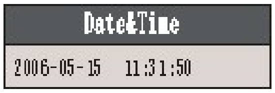
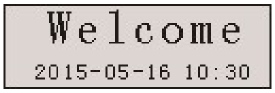
<table>
<tr><td rowspan="2">Press TARE, and set the forth line footer of continuous paper printing（call special information No.8）；00 — no printing； 01 — print in standard size；02—print in widened font；03—print in lengthened font；04—print in enlarged font；Default factory setting is 00</td><td colspan="3">
System para:TAIL4
NOT PRINT</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press TARE and set the overall font size of continuous paper ；01 —Print the standard size font;； 03 —print high times font；Default factory setting is 01</td><td colspan="3">
System para:ALL FONT
STANDARD</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press TARE and set the font size of shop name ； 01 — Print the standard size font;； 03—print high times font；</td><td colspan="3">
System para:SHOP FONT
NOT PRINT</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press TARE and Set the coding digits, the factory default Settings is six coding</td><td colspan="3">
System para:NUM CODE
07</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press TARE and set the shop name that can be set up (00-99), the item can be modified store uniformly.If you want to through the software download, change this to 00</td><td colspan="3">
System para:SHOPNO
00</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press TARE to 27steps and set the backlight time: （00 chooses 115200，01 chooses 9600）</td><td colspan="3">
System para:(LCD LIGHT
255</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">Press ENTER and back to the standby mode</td><td colspan="3">
Welcome
2015-05-16 10:30</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
</table>

Note：Midway or after modify the completion of the above parameters ， press ENTER namely save and exit；pressing CLEAR is not saving and exiting。

4.3 System Date/Time Settings

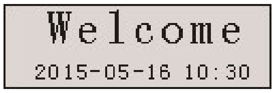
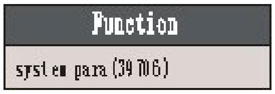
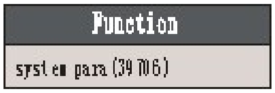
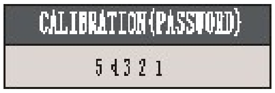
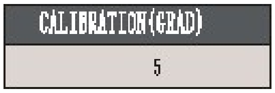
Electronic scale includes internal clock that user can reset on their own. Function code of setting date/time is “39704”.

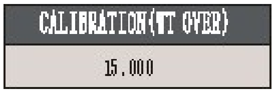
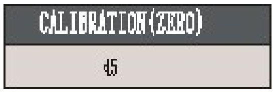
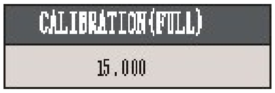
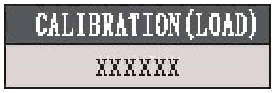
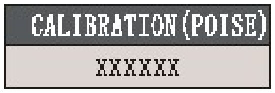
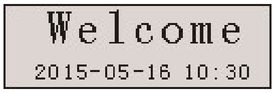
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	Function system para (39706)			
	FUnC	0.000	0.00	0.00
Press 3 9 7 0 4	Function system para (39706)			
			39704	
Press ENTER and enter year. For example,set year as 06, press 0 6	Date&Time 2015-05-16 10:30:30			
		SEt	YEAr-	06
Press ENTER and enter month. For example, set month as May, press 0 5	Date&Time 2006-05-16 10:30:50			
		SEt	Mon	05
Press ENTER and enter date. For example, set date as the fifteenth, enter 1 5	Date&Time 2006-05-16 10:30:50			
		SEt	dAY	15
Press ENTER and enter hour. For example,set hour as 11 o’ clock, enter 1 1	Date&Time 2006-05-15 10:31:50			
		SEt	Hour-	11

Press ENTER and enter minute. For example, set time as 32 minutes, enter ❸❷	Date&Time 2006-05-15 11:31:50			
		SEt	Min	32
Press ENTER and back to standby mode.	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

4.4 Weight Calibration

Maintenance password of weight calibration maintenance password is "54321".If the password is invalid, you can also use the password "39708", it is valid usually. Note: password must be five digits, and the first digit must be nonzero.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	Function system para(39706)			
	FUnC			
Press ❺❹❸❷❶	Function system para(39706)			
	FUnC		54321	
Press ENTER and set user password. For example,set 54321 as password, press ❺❹❸❷❶	CALIBRATION(PASSWORD) 54321			
		CAL		54321
Press ENTER and set units of gradation;	CALIBRATION(GRAD) 5			

For example, set 5g as unit of gradation of 15kg scale,.press ❺ and unit of gradation is 1/3000 of total capacity		CAL	GrAd	5
Press ENTER and set maximum scale capacity. For example,set maximum capacity as 15kg,and ❶❺⓿⓿⓿	 CALIBRATION(WT OVER) 15.000			
		CAL	FULL	15.000
Press ENTER and set overload capacity, usually it is 9 times the unit of graduation. For example, set overload capacity of 45 g, press ❹❺	 CALIBRATION(ZERO) 45			
		CAL	ouEr	45
Press ENTER and set load capacity For example,set load capacity as 15 kg, press ❶❺⓿⓿⓿ （load capacity may not be lower than 1/3 of maximum capacity，or higher than maximum capacity）	 CALIBRATION(FULL) 15.000			
		CAL	LoAd	15.000
Press ENTER and enter unloaded mode, ensure that the scale is unloaded (namely nothing is on top of weighing plate)	 CALIBRATION(LOAD) XXXXXX			
		no	LoAd	XXXXX
Press ENTER and enter loading mode, the weight that you put on is equal to loading capacity（XXXXX is display ISN）	 CALIBRATION(POISE) XXXXXX			
		Add	LoAd	XXXXX
When ISN is relatively stable and stability indicator light is on, press ENTER and exit.	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

4.5 Shortcut Settings

The password of shortcut setting is"55555"。

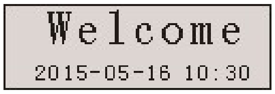
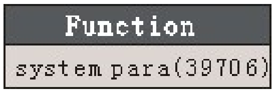
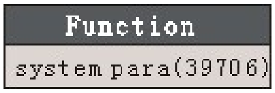
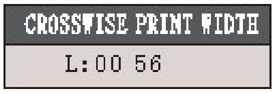
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	Function system para(39706)			
	FunC	0.000	0.00	0.00
Press 5 5 5 5 5	Function system para(39706)			
			55555	
Press ENTER and enter the shortcut page settings	Shortcut(01) 0001:Apple			
	SEt	KEY	P 01	0001
Enter corresponding PLU code,then press TARE, enter the second shortcut setting	Shortcut(01) 0002:Orange			
	SEt	KEY	P 02	0002
……				
	Shortcut(01) 0003:Pear			
	SEt	KEY	P 142	0142
Press ENTER and return to standby mode.	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

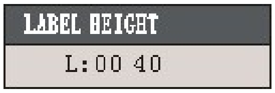
The number after F is the shortcut number and what displayed in the last window is the PLU code. press TARE, In each layer when input a PLU number,there is a shortcut number corresponding. then press ENTER 。

4.6 label format setting

Tag format setting is divided into general parts format setting and Text format Settings;The password of general parts format is “22222”； The password of Text format is“39705”。
This scale can be set up and store 16 kinds of label format, in which each format set consists of two parts,namely General part format and Text format .Format Numbers is from 0 to 15; As a PLU calls 3 tag format, the general part Numbers and Text Format are 3 .
the print content of general parts format includes:commodity name, tare weight, net weight, unit price, total price, packaging date,expiry date, special information, barcode, etc.; Text format printing content can be defined by the customers themselves (content editing see "5.3 Text Text editor").

4.6.1 General parts format setting

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Press FUNC	 Function system para(39706)			
Press ②②②②②	 Function system para(39706)			
Press ENTER and Set the width of printing label ; Such as the width is 56,press ⑤⑥	 CROSSWISE PRINT WIDTH L:00 56			
Pressing MULTI can Switch different label serial number （n 0—n 15）；such as 0 label format (this electronic scale only supports 0 label) ；pressing ZERO、TARE can view the various parameter Settings of each format up and down;				

<table>
<tr><td rowspan="2">Press TARE and set the label length; Such as length of 40 mm,
press 4 0</td><td colspan="3">LABEL HEIGHT
L:00 40</td><td></td></tr>
<tr><td> </td><td> </td><td> </td><td> </td></tr>
</table>

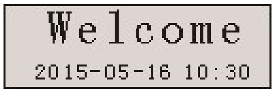
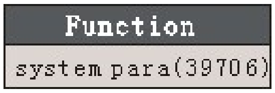
Description of Each tag format specific parameters:

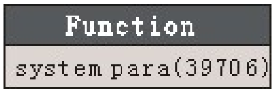
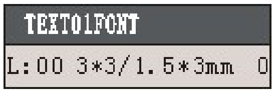
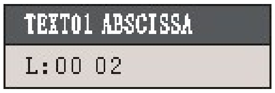
Parameters Number	Parameters Name	Parameters Description
F-00	Horizontal printing width	Input the label width mm ,maximum 56
F-01	The longitudinal length of the label	Input the label width mm ,maximum 99
F-02	Printing fonts of commodity No.1	Value range：00～16
F-03	Printing horizontal position of commodity No.1	Positive font left corner as the origin (according to the font) to the right distance mm (the same below)
F-04	Printing longitudinal position of commodity No.1	Positive font left corner as the origin (according to the font) to the below distance mm (the same below)
F-05	Printing fonts of commodity No.2	Value range：00～16
F-06	Printing horizontal position of commodity No.2	
F-07	Printing longitudinal position of commodity No.2	
F-08	Printing fonts of commodity No.3	Value range：00～16
F-09	Printing horizontal position of commodity No.3	
F-10	Printing longitudinal position of commodity No.3	
F-11	Printing fonts of commodity code	Value range：00～32
F-12	Printing horizontal position of commodity code	
F-13	Printing longitudinal position of commodity code	
F-14	Printing fonts of net weight	Value range：00～32
F-15	Printing horizontal position of net weight	
F-16	Printing longitudinal position of net weight	
F-17	Printing fonts of tare weight	Value range：00～32
F-18	Printing horizontal position of tare weight	
F-19	Printing longitudinal position of tare weight	
F-20	Printing fonts of gross weight	Value range：00～32
F-21	Printing horizontal position of gross weight	
F-22	Printing longitudinal position of gross weight	
F-23	Printing fonts of unit price	Value range：00～32
F-24	Printing horizontal position of unit price	

F-25	Printing longitudinal position of unit	
F-26	Printing fonts of total price	Value range：00～32
F-27	Printing horizontal position of total price	
F-28	Printing longitudinal position of total price	
F-29	Printing fonts of two times the net weight(Jin weight)	
F-30	Printing horizontal position of two times the net weight	
F-31	Printing longitudinal position of two times the net weight	
F-32	Printing fonts of half the unit price(Jin weight)	
F-33	Printing horizontal position of half the unit price	
F-34	Printing longitudinal position of half the unit price	
F-35	Printing fonts of unit price after discount	
F-36	Printing horizontal position of unit price after discount	
F-37	Printing longitudinal position of unit price after discount	
F-38	Printing fonts of total price after discount	
F-39	Printing horizontal position of total price after discount	
F-40	Printing longitudinal position of total price after discount	
F-41	Printing fonts of date	Value range：00～32
F-42	Printing horizontal position of date	
F-43	Printing longitudinal position of date	
F-44	Printing fonts of time	Value range：00～32
F-45	Printing horizontal position of time	
F-46	Printing longitudinal position of time	
F-47	Printing fonts of expiry date	Value range：00～32
F-48	Printing horizontal position of expiry date	
F-49	Printing longitudinal position of expiry date	
F-50	Printing fonts of department NO.	Value range：00～32
F-51	Printing horizontal position of department NO.	
F-52	Printing longitudinal position of department NO.	
F-53	Printing fonts of the shop No.	Value range：00～32
F-54	Printing horizontal position of shop NO.	
F-55	Printing longitudinal position of shop NO.	
F-56	Printing fonts of special information 1	Value range：00～16
F-57	Printing horizontal position of special information 1	

F-58	Printing longitudinal position of special information 1	
F-59	Printing fonts of special information 2	Value range：00～16
F-60	Printing horizontal position of special information 2	
F-61	Printing longitudinal position of special information 2	
F-62	Printing fonts of special information 3	Value range：00～16
F-63	Printing horizontal position of special information 3	
F-64	Printing longitudinal position of special information 3	
F-65	Printing fonts of 13 code	Value range：00～32
F-66	Printing horizontal position of 13 code	
F-67	Printing longitudinal position of 13 code	
F-68	Printing fonts of label serial number	Value range：00～32
F-69	Printing horizontal position of label serial number	
F-70	Printing longitudinal position of label serial number	
F-71	Printing fonts of the main bar code	Value range：00～16
F-72	Printing horizontal position of the main bar code	
F-73	Printing longitudinal position of the main bar code	
F-74	Printing height of the main bar code	00～10
F-75	Printing fonts of emoticons	Value range：00～16
F-76	Printing horizontal position of emoticons	
F-77	Printing longitudinal position of emoticons	
F-78	Printing height of emoticons	00～10
F-79	No	Reserve（the fixation is 00）

4.6.2 Text part format Settings

Operation	Display			
	Tare Wight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Press FUNC	 Function system para(39706)			

<table>
<tr><td></td><td> </td><td> </td><td> </td><td> </td></tr>
<tr><td rowspan="2">Press ③⑨⑦⓪⑤</td><td colspan="3">
Function
system para(39706)</td><td></td></tr>
<tr><td></td><td></td><td> </td><td></td></tr>
<tr><td rowspan="2">Press ENTER and set printing fonts of Text1;e.g. The font size is 03，
press ⓪③</td><td colspan="3">
TEXT01FONT
L:00 3*3/1.5*3mm 0</td><td></td></tr>
<tr><td> </td><td> </td><td> </td><td> </td></tr>
<tr><td rowspan="2">Press TARE and set printing horizontal position of Text1；e.g the .horizontal position 10mm and
press ①⓪</td><td colspan="3">
TEXT01 ABSCISSA
L:00 02</td><td></td></tr>
<tr><td> </td><td> </td><td> </td><td> </td></tr>
</table>

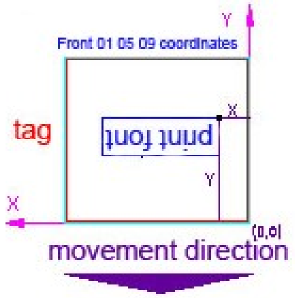
Parameter	Name of parameter	Explanation
F-00	Text1（default is“shop name”）print font	Value available：00～16（The follows are same）
F-01	Text1 print (X-axis)	Setting this font top left corner be origin, counting font’s right distance to origin.
F-02	Text1 print (Y-axis)	Setting this font top left corner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

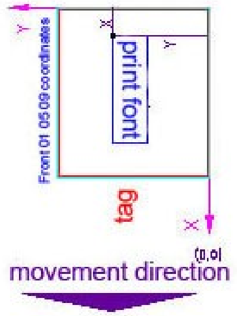
F-60	Text21（default is“(”）print font	
F-61	Text21print(X-axis)	
F-62	Text21print(Y-axis)	
F-63	Text22（default is“/kg”）print font	
F-64	Text22print(X-axis)	
F-65	Text22print(Y-axis)	
F-66	Text23（default is“）”）print font	
F-67	Text23print(X-axis)	
F-68	Text23print(Y-axis)	
F-69	Text24（default is“kg”）print 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	

4.6.3 Description of printing font

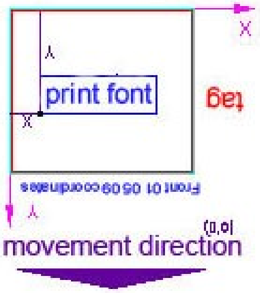
Print directions explanation:


Y
Front 01 05 09 coordinates
tag
print font
X
Y
X
(0,0)
movement direction

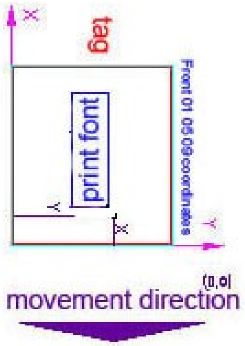
Font：01、05、09、13、17、21、25、29


Y
Front 01 05 09 coordinates
X
Y
print font
tag
X
(0,0)
movement direction

Font：02、06、10、14、18、22、 26、30


X
Y
print font
tag
X
Front 01 05 09 coordinates
Y
(0,0)
movement direction

Font：03、07、11、15、19、23、27、31


X
tag
Front 01 05 09 coordinates
print font
Y
X
Y
(0,0)
movement direction

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°	
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°	
8	6×6/3×6	270°	
9	6×3/3×3	180°	
10	6×3/3×3	90°	
11	6×3/3×3	0°	

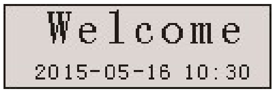
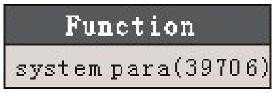
12	6×3/3×3	270°	
13	3×6/1.5×6	180°	
14	3×6/1.5×6	90°	
15	3×6/1.5×6	0°	
16	3×6/1.5×6	270°	
17	None/1×2	180°	
18	None/1×2	90°	
19	None/1×2	0°	
20	None/1×2	270°	
21	None/2×4	180°	
22	None/2×4	90°	
23	None/2×4	0°	
24	None/2×4	270°	
25	None/2×2	180°	
26	None/2×2	90°	
27	None/2×2	0°	
28	None/2×2	270°	
29	None/1×4	180°	
30	None/1×4	90°	
31	None/1×4	0°	
32	None/1×4	270°	

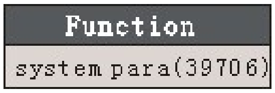
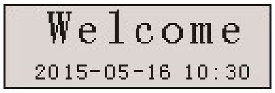
4.7 IP Address Setup

※This setup is only for electronic scales equipped for Ethernet

4.7.1 Initial Network Interface Card (NIC) IP Address

Initial network card IP address

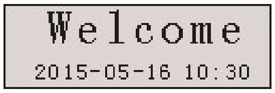
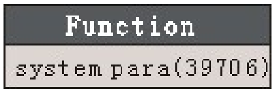
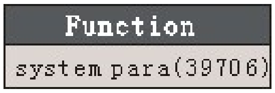
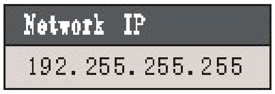
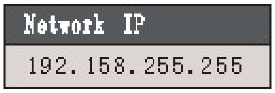
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Press FUNC	 Function system para(39706)			

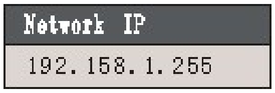
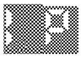
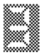
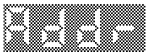
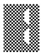
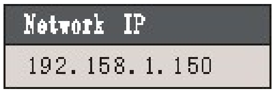
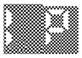
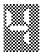
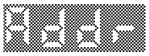
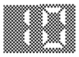
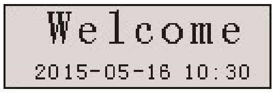
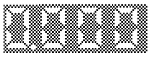
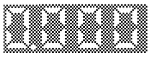
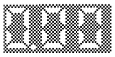
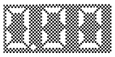
	FUnC			
Press 9 0 0 1	 Function system para(39706)			
	FUnC		9001	
Press ENTER, and set initial network card IP address	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

After initial setup of NIC, IP address is: 192.168.0.150

4.7.2 Modify the network card IP address manually

Modify the network card IP address manually(e.g.set IP as 192.158.1.10)

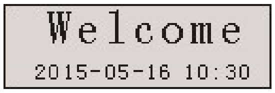
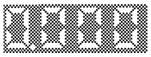
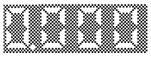
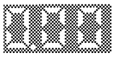
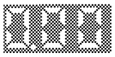
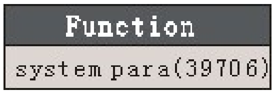
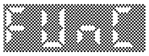
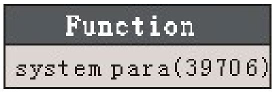
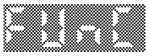
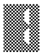
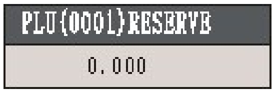
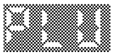
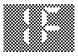
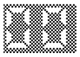
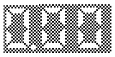
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC	 Function system para(39706)			
	FUnC			
Press 9 0 0 2	 Function system para(39706)			
	FUnC		9002	
Press ENTER and input 1 9 2	 Network IP 192.255.255.255			
	IP	1	Addr	192
Press TARE and input 1 5 8	 Network IP 192.158.255.255			
	IP	2	Addr	158

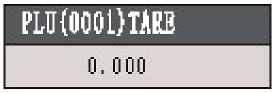
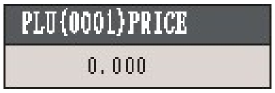
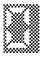
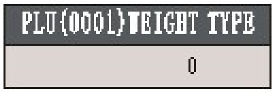
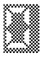
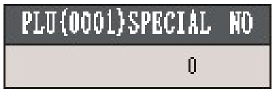
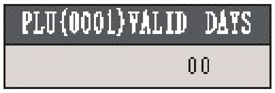
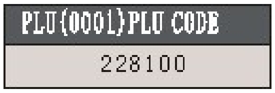
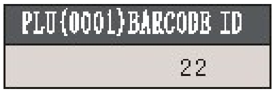
Press TARE and input ❶	 Network IP 192.158.1.255			
				
Press TARE and input ❶⓿	 Network IP 192.158.1.150			
				
Press ENTER and back to the standby mode	 Welcome 2015-05-16 10:30			
				

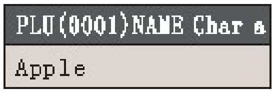
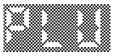
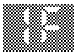
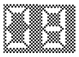
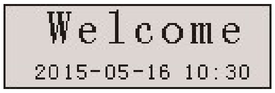
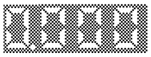
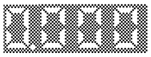
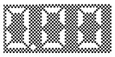
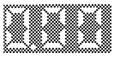
Note:You need to reopen the scale after you modify the IP or initialize the IP address

五、Content Editing

5.1 PLU Information Editing

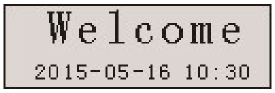
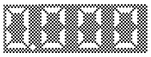
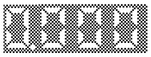
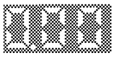
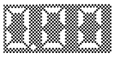
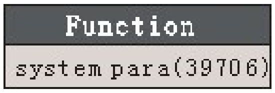
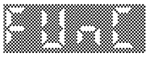
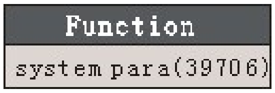
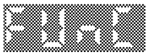
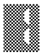
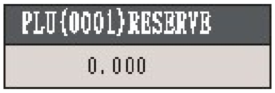
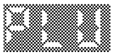
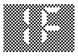
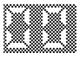
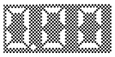
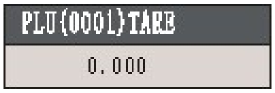
Step	Operation	Display			
		Tare Weight	Net Weight	Unit Price	Total Price
0	Standby Mode	 Welcome 2015-05-16 10:30			
					
1	Press FUNC	 Function system para(39706)			
					
2	Press ❶	 Function system para(39706)			
					
3	Press ENTER and enter the unit price (note: the price of per kilogram)	 PLU(0001)RESERVE 0.000			
					

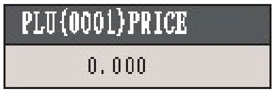
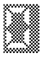
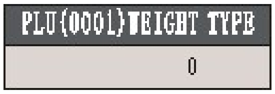
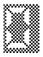
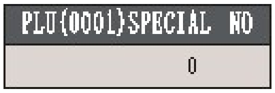
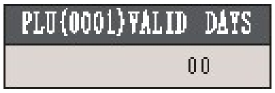
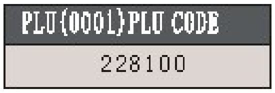
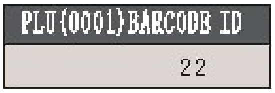
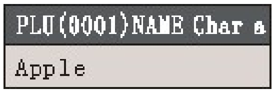
4	Press TARE	 PLU{0001}TARE 0.000			
	and enter the tare weight value(note: tare weight is fixed weight value in the method of fixed weight)				
5	Press TARE	 PLU{0001}PRICE 0.000			
					
6	Press TARE and choose valuation method: including: 0 = weight; 1 = piece; 2 = fixed weight;	 PLU{0001}WEIGHT TYPE 0			
					
7	Press TARE and input special information number	 PLU{0001}SPECIAL NO 0			
8	Press TARE and input the days of expiry date	 PLU{0001}VALID DAYS 00			
9	Press TARE and input commodity code	 PLU{0001}PLU CODE 228100			
10	Press TARE and enter the flag digit of bar code，suppose the flag digit of bar code is 2,then input ⓿❷	 PLU{0001}BARCODE ID 22			

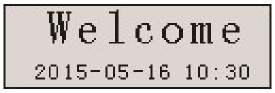
11	Press TARE and start to enter the commodity name (for example enter four words "Apple")	 PLU(0001)NAME Char a Apple			
					
12	Press ENTER, save Settings and return to standby mode When all content is set	 Welcome 2015-05-16 10:30			
					

Note ： Name can be input 12 characters at most.

5.2 Shortcut setting

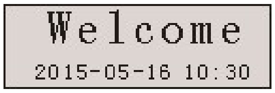
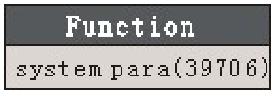
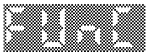
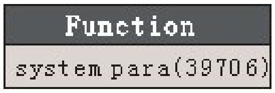
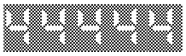
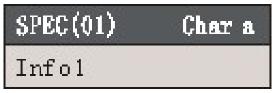
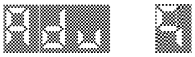
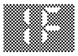
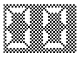
Step	Operation	Display			
		Tare Weight	Net Weight	Unit Price	Total Price
0	Standby Mode	 Welcome 2015-05-16 10:30			
					
1	Press FUNC	 Function system para(39706)			
					
2	Press shortcut ❶ (press PLU code+enter when there is no shortcuts)	 Function system para(39706)			
					
3	Press ENTER and enter the unit price （note：The price of per kilogram ）	 PLU(0001)RESERVE 0.000			
					
4	Press TARE and put the value of tare	 PLU(0001)TARE 0.000			

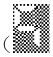
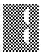
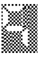
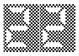
	weight（note：tare weight is the value of fixed weight in the method of fixed weight）				
5	Press TARE	 PLU(0001)PRICE 0.000			
					
6	Press TARE and choose the method of valuation：0＝weight；1＝piece；2＝fixed weight；	 PLU(0001)WEIGHT TYPE 0			
					
7	Press TARE and input special information No.	 PLU(0001)SPECIAL NO 0			
8	Press TARE and input the days of expiry date	 PLU(0001)VALID DAYS 00			
9	Press TARE and input the commodity code	 PLU(0001)PLU CODE 228100			
10	Press TARE and enter the flag digit of bar code，suppose the flag digit of bar code is 2,then input 0 2	 PLU(0001)BARCODE ID 22			
11	Press TARE and start to enter the commodity name (for example enter four words ‘Apple’)	 PLU(0001)NAME Char a Apple			

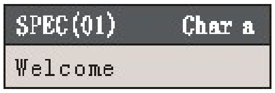
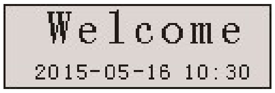
12	Press ENTER, save Settings and return to standby mode When all content is set	 Welcome 2015-05-16 10:30			

5.3 Special information setting

This scale can be set up 10 special information of Chinese characters (numbered from 1 to 10) and 12 characters (Numbers from 11 to 22) special information and can make each PLU label paper state information call any of these three print; when in continuous paper state, the 1 ~ 4 Chinese characters of these special information correspond to the header line 1 ~ 4, 5 ~ 8 correspond to 1 ~ 4 lines of the footer. Each Chinese character information content can be set up30 characters, and most every character information content can be set up 30 characters at most.
The password of special information setting is“44444”。

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Press FUNC	 Function system para(39706)			
				
Press 4 4 4 4 4	 Function system para(39706)			
				
Press ENTER and enter the first special information content setting	 SPEC(01) Char a Info1			
				XX

Pressing MULTI switch different special information （ ~ ）；Here set the first and eleventh special information content as an example ； pressing ZERO or TARE Can view the contents of the location code of each special information up and down ；

(such as the first special information content is: everyday low price) input Chinese characters location code of "day" 4476	 SPEC(01) Char a Welcome			
Press ENTER, save Settings and return to standby mode When all content is set	 Welcome 2015-05-16 10:30			

六、Common label format called

6.1 TM-A series barcode printing price scale label format

- ✓ 60×40 general format：press[FUNC][96040][ENTER]。
- ✓ 40×30 general format：press[FUNC][94030][ENTER]。
- ✓ 55×30general format：press[FUNC][95530][ENTER]。
- ✓ 60×40 factory format：press with gross weight ,tare weight：press [FUNC][66040][ENTER]。
- ✓ Shijilianhua60×40 specific format：press[FUNC][76040][ENTER]。
- ✓ Complete 60×40packaging label format：press[FUNC][86040][ENTER]。
- ✓ Farmer factory merchant60×30 specific format：press[FUNC][96030][ENTER]。
- ✓ Yichulianhua60×38 specific format：press[FUNC][96038][ENTER]。

七、Statistics

7.1 Statistical reports（the view of statistics use the continuous paper checking only in the condition of continuous paper without special instructions ）

The method of viewing statistical reports is:

功能 → 报表密码 → 确认

1． Call commodity information according to the PLU number ：

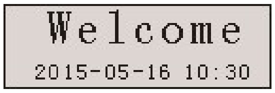
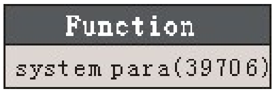
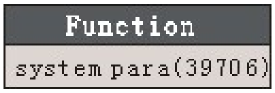
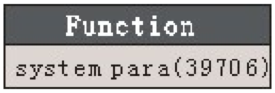
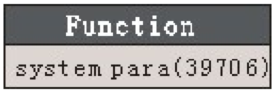
Serial No.	Report Name:	Password :	将报表通过 USB 下载到 U 盘时的操作密码
1	Period of daily reports	8804	56804
2	Period reports on a single product	8805	\
3	Period summary report on single product	8806	56806
4	Daily sales reports	8807	\
5	Daily sales reports on a single	8808	56808

	product		
6	Daily sales detailed reports	8809	56809
7	Detailed reports on a single product	8810	\
8	Period detailed reports	8811	\
9	Summary report on single product	8812	\
10	Inventory report on single product	8814	\
11	Time detailed reports on a single product	8816	\

Note: sometimes statements stored data is more, please tear report after electronic scale prints out the reports completely. We will to illustrate the operation of a few statements as examples, since the report operation process is roughly same, so we don't list all the statements, the rest of the reports refer to the operation。

7.1.1 Period of daily report

The password of period of daily report is 8804

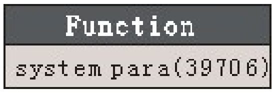
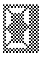
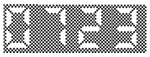
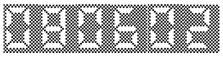
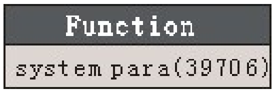
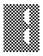
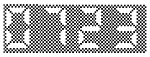
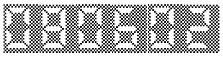
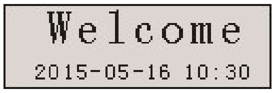
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
Press FUNC when the stable light is lit	 Function system para(39706)			
Press 8 8 0 4	 Function system para(39706)			
Press ENTER and display the current date: June 2nd, 08	 Function system para(39706)			
Press ENTER and display the query time	 Function system para(39706)			

Input the range of the query time,such as:from 7:00 to 23:00,enter 0 7 2 3	Function system para(39706)			
			0723	080602
Press ENTER and print reports,then return to the standby mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

7.1.2 Period report on single product

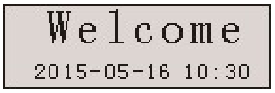
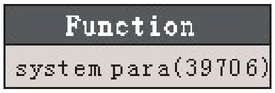
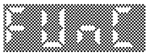
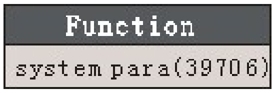
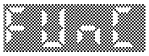
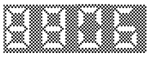
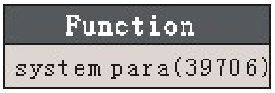
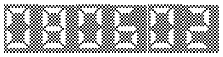
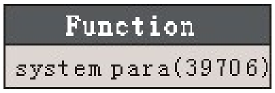
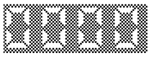
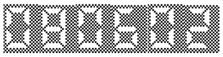
The password of period report on single product is“8805”

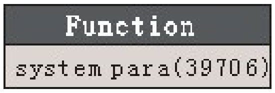
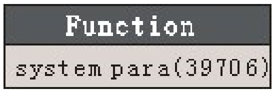
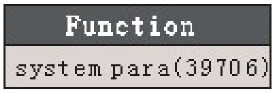
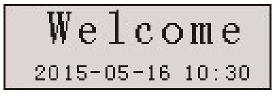
Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC when the stable light is lit	Function system para(39706)			
	FUnC			
Press 8 8 0 5	Function system para(39706)			
	FUnC		8805	
Press ENTER and display the current date: June 2nd, 08	Function system para(39706)			
				080602
Press ENTER and display the query time	Function system para(39706)			
			0000	080602
Input the range of the query time,such as:from 7:00 to 23:00,enter 0 7 2 3	Function system para(39706)			
			0723	080602

Press ENTER	Function system para(39706)			
				
Input a PLU number that is inquired, such as inquire commodity no. 1, input 1	Function system para(39706)			
				
Press and print reports,then return to the standby mode	Welcome 2015-05-16 10:30			

7.1.3 period summary report on single product

The password of period summary report on single product is“8806”

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	Welcome 2015-05-16 10:30			
Press FUNC when the stable light is lit	Function system para(39706)			
				
Press 8 8 0 6	Function system para(39706)			
				
Press ENTER and display the current date: June 2nd, 08	Function system para(39706)			
				
Press ENTER and display the query time	Function system para(39706)			
				

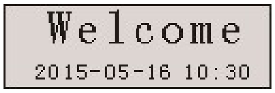
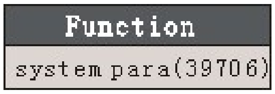
Input the range of the query time,such as:from 7:00 to 23:00,enter 0 7 2 3	 Function system para(39706)			
			0723	080502
Press ENTER	 Function system para(39706)			
		0	0723	080502
Input a PLU number that is inquired, such as inquire commodity from No.1 to No.20, input 2 0（The default system is from the beginning of the No.1, so you only need to input end number directly）	 Function system para(39706)			
		20	0723	080502
Press ENTER and print reports,then return to the standby mode	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00

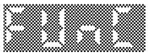
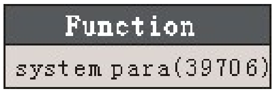
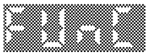
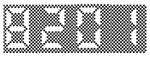
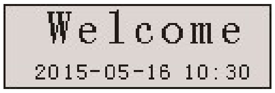
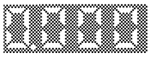
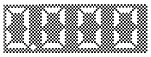
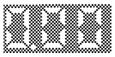
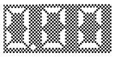
八、Clear

8.1 Clear statistical date

The password of clearing the statistical date is 8201。

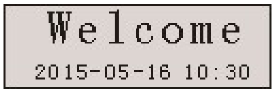
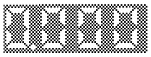
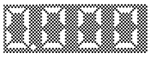
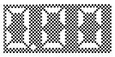
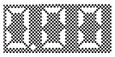
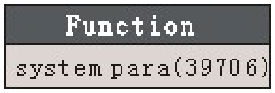
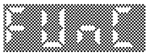
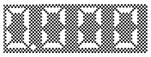
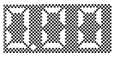
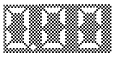
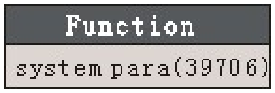
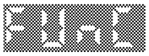
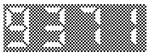
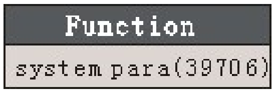
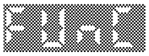
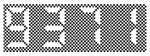
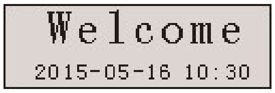
Note:Executing the instructions will delete all transaction records and is irreversible, please decide whether to use this function carefully.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
	0.000	0.000	0.00	0.00
Press FUNC when the stable light	 Function system para(39706)			

is lit	 FUnC			
Press 8 2 0 1	 Function system para(39706)			
	 FUnC		 8201	
Press ENTER and complete clearing ,then back to the standby mode	 Welcome 2015-05-16 10:30			
	 0.000	 0.000	 0.00	 0.00

8.2 Initialization of electronic information

Note: this function will be clear PLU information , the label information, report information and all the relevant Settings of electronic scale.and this operation is irreversible, please decide whether to use this function carefully.

Operation	Display			
	Tare Weight	Net Weight	Unit Price	Total Price
Standby Mode	 Welcome 2015-05-16 10:30			
	 0.000	 0.000	 0.00	 0.00
Press FUNC when the stable indicator light is on	 Function system para(39706)			
	 FUnC	 0.000	 0.00	 0.00
Press 9 3 7 1	 Function system para(39706)			
	 FUnC		 9371	
Press ENTER and enter initialization,then display screen flickers	 Function system para(39706)			
	 FUnC		 9371	
Returning to standby state replaces that the initialization is complete (this operation is determined that by	 Welcome 2015-05-16 10:30			

time and date of memory will be different, please wait a moment, about 1 minute)				

九、Computer software of operating and installing

9.1 System Requirements

Operating system：

The PC Settings of this scale software can be installed in WIN2000, Windows NT or higher version of the operating system.

9.2 Installation

The scale of the PC software generally uses the cd-rom installed automatically, namely: insert the CD drive, automatic pop-up installation interface, according to clew steps.

9.3 Main Functions

The user can make all set of scales, data upload and download through the software ,specific content is as follows:

- ✓ Create, edit, upload and download the PLU, special information, Text information and other kinds of information
- ✓ Set the PLU shortcuts and print the shortcut key content
- ✓ Design label format freely
- ✓ Set the system parameters
- ✓ “Search, edit electronic scale IP address
- ✓ Upload and download label format
- ✓ Upload electronic scale sales subsidiary and print all kinds of comprehensive reports, etc