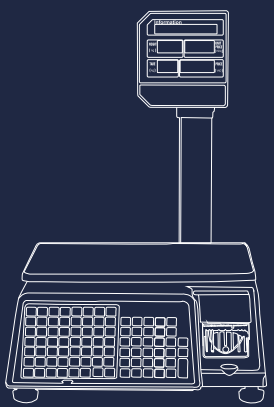
ShangHai DB Scale Co.,Ltd

Label Printing Scale

Original : January 2017

(Revised)

BCS-100PE Series



▪Thank you for using the product of out company. For your proper use of this product and avoiding the unnecessary trouble in the future, please be sure to carefully read this specification before using!

Precautions!

1. Before installation, please make sure to check if the power requirements on the nameplate match the power which you are going to use in order to avoid damage on the machine.

2. According to the usual security requirements of electric appliances please make sure that the connection of your power and grounding wire is normal.

3. Please don't press the body gravity on the scale in order to avoid damage on the weighing sensor.

4. Please don't use heavy force to beat or strike the scale in order to avoid damage on the weighing sensor.

5. Please don't immerse the scale body in the water to clean, and don't use the mop with dripping water to scrub the machine in order to avoid damage on the machine.

6. When the machine is moved from a place with lower temperature to a place with higher temperature, and the temperature difference is large, please don't plug in the power immediately to avoid the condensation of water vapor which leads to the damage of the
machine.

7. Termal-printing heads or backup batteries (selective components) are not covered under warranty, so please properly use and maintain the product according to the suggestions on the product or from our maintenance personnel.

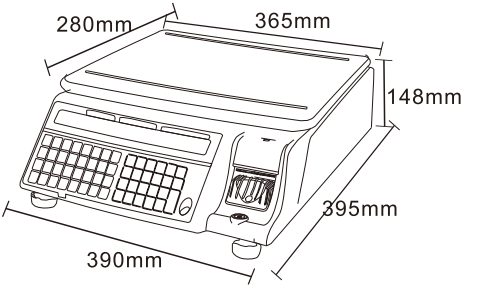
8. If there is any problem, please contact the local dealer, to inquire the technical.

Contents

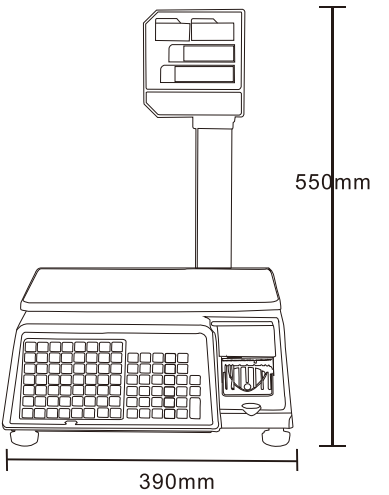
I.Summary

1.1 External view

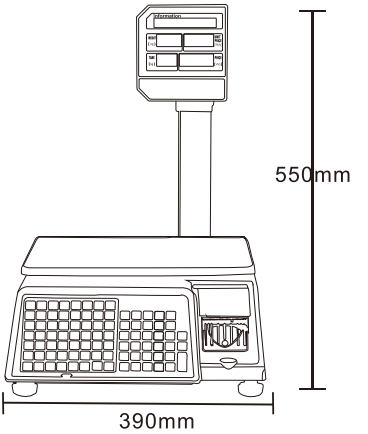
- BE Type(Monochrome LED)



- PE Type(Monochrome LED)



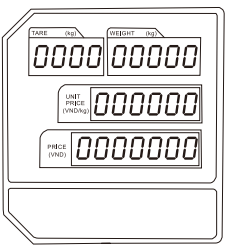
● PC Type



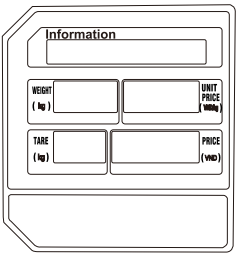
1.2 Display Pane

● BE Type

● PE Type

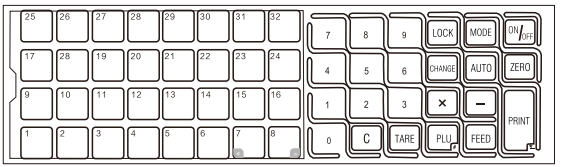


● PC Type

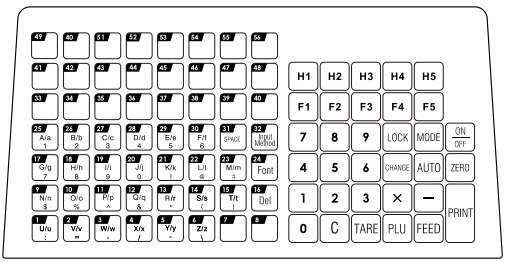


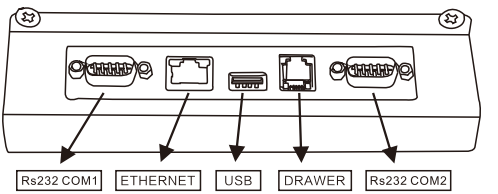
1.3 Keyboard

● B Type



● PE Type





Instruction table of function of key

On/Off key	
	※Will display “On” or “Off”
PLU shortcut Keys	
	※Commodity shortcut key ; enter characters when editing a product name , where P32 can select input method and P24 can replace font size.
Number keys	
	※Enter number
Tare key	
	※Set or clear tare
Clear key	
	※Abdicate or clear numbers
Rezero key	
	※Rezero weight to “0”
Mode key	
	※Working mode switch
Lock key	
	※Lock tare or unit price

“X” key	
X	※For entering quantity in transaction mode; linefeed key when editing commodity and product name
“ - ” key	
-	※Can cancel a transaction in the cumulative transaction.
Subtotal / change key	
CHANGE	※Operation key of subtotal and change
Project Code key	
PLU	※Call a product by a value key and this key in the transaction state. ;Is a save key in editing state.
Paper Load key	
FEED	※Paper load key. Press this key to locate label after installation of printing paper; it is a exit key in editing state.
Print key	
PRINT	※Print key. It is confirmation or printing function key in transaction mode; it is operation confirmation key in editing mode.
Cumulative key	
F1 ~ F5	※Cumulative action key to realize cumulative operation of five batches.
Page up key	
H1	※Page up in browse mode or network setup mode.
Page down key	
H2	※Page down in browse mode or network setup mode.

Discount key	
H3	※It is in percent discount key in transaction mode; it is delete function key in editing mode.
Allowance key	
H4	※Amount allowance operation key.
Browse key	
H5	※In network setting state, you can browse to search for a wireless WIFI SSID
Auto key	
AUTO	※Used to place the scale in the Automatic Print mode

1.4 Characteristics

IBasic specifications

The meter full scale: 3kg，6kg， 15kg，30kg

The resolution: Display resolution 1/3,000 Can be set as double-range （1/6,000 or 1/7500）Internal resolution: 1/60,000

Tare removing range: Under single range mode 0.001~1.499 kg(3kg)，
0.002~2.998 kg(6kg)，
0.005~7.495 kg (15kg)
0.010~9.990 kg (30kg)

Under double-range mode
0.001~2.999 kg (6kg),
0.002~7.498 kg (15kg)
0.005~9.995 kg (30kg)

Respond quickly toward the change in weight, and adopt 80 times/sec high speed data conversion and independent data processor.
The accuracy of weight can be calibrated via the software, with the calibration log recorder. The degree of accuracy accords with national III scale standard.
IBasic configuration of the mainframe
The embedded type computer system is with built-in 32-bit ARM multi task processor.
The specific configurations are as follows:

Machine type	BCS-100 PE,BE	BCS-100 PD-I	BCS-100 PD-II	Remarks
The main CPU type	ARM9	ARM9	ARM cortex-A8	
Dominant frequency	400MHz	400MHz	1GHZ	
FLASH	128M	128M	256M	
RAM	64M	64M	256M	
Display type	Double-faced LED (0.56 inches)	LCD 4.3” TFT LED (0.56 inches)	LCD 7.0” TFT LED (0.8 inches)	PD+ This machine type can be installed with touch screen
Printing machine	Thermal-printing machine, the paper type is receipt paper, with the paper width of 60mm,the printing line of 448 dots ,and the maximum paper skipping speed of 110mm/sec			The maximum diameter of the scroll is 95 mm
Built-in card reader	Optional	Optional	Standard configuration	Able to read S50，S70，CPU
Built-in clock	Available	Available	Available	

Commodity PLU	30000 pcs including pictures	30000 pcs including pictures	50000 pcs including pictures	Remarks
Transaction data records	20000 pcs	20000 pcs	20000 pcs	
Settlement function of the statement	Available	Available	Available	
Timed discount and allowance	Available	Available	Available	Background software of purchase-sale -stock can be equipped

● IData communication and control output interface

The standard configurations of the mainframe include wired network interface （Ethernet）,wireless network interface （WIFI，3G）, standard USB internet, two serial interfaces COM1,COM2(RS-232 three line mode, with the power output of 5V300mA）and general silver box control interface(Adopt RJ11 connector, and can be directly connected to 24V general silver box).

Trough the wired network interface（Ethernet）or wireless network interface （WIFI，3G）, the software update of the electronic scale's system, settings of the remote functions(Using XDBManager software), and the configuration of application data can be realized , and the data transmission(The data download and recycling of PLU, the upload of SDB transaction data , and download of traceability information) can be realized.

Standard USB interface, which can be connected to the USB flash disk (The largest is 8GB). With the USB flash disk, the software update of the electronic scale's system and the initialized settings of the system function can be realized.

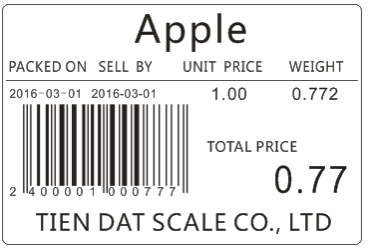
Serial interface COM1 can connect the external RFID card reader, like the card reader of the Union pay's value card. Realize the electronic payment of transaction.

Serial interface COM2 can connect the external serial port bar code scanning guns. Identify the information and price of the packaged products through the bar code scanning guns, and realize the generation of non-weighed products transactions and transaction records and the printing of receipts.

- IPrinting of the labels and receipts

Adopt the high-speed, highly reliable thermal-printing head. Specially design the printing mechanism, which is convenient for the installation of printing paper. The maximum printing speed is 100mm/S, the effective printing width is 56mm, the paper width of the printing paper is 60mm, and the maximum diameter of the scroll is 98mm. Transaction receipt, settlement statement, setting data of the system, configuration information and bar code can be printed, with a setting of 5-level printing concentration, and the smart printing speed is optimized.

Support one-dimensional bar code and two-dimensional bar code printing, with the optional bar code types of two-dimensional bar code EAN8、EAN13、CODE128、QR.



Real sample of the bill printing

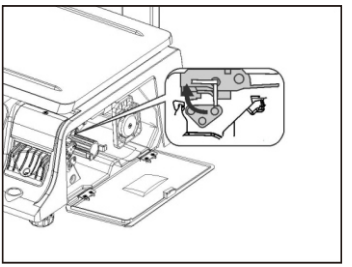
- IDouble display for the customers and operators, the optional display methods are colored TFT-LCD（4,3 or 7.0 inches）or monochrome LED（Red 0.56 inches or green 0.8 inches）
- IBE type and PE type products: monochrome LED can display numbers and characters, with a total of 22 bits and 18 LED indicator lights.
- IPD-I type and PD-II type products: adopt high-definition TFT liquid crystal display panel; except for be able to display information like weight, unit price, and amount, the prompt messages of the commodities' trade name, traceability code, pictures, and operations can be displayed as well. And multi-national texts can be displayed according to the requirements.

Confirmation of the label mode: "Manual operation" light is on.
If the "manual operation" light is not on,hold the【ZERO】key down with the right hand, loose both hands after the left hand has pressed the【MODE】key, and display the lable mode"LABEL". "Manual operation" light is on.

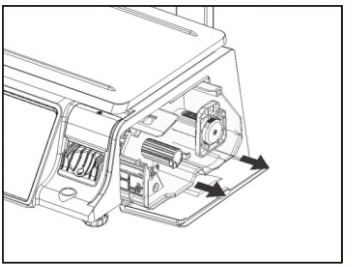
1.5 Paper Load

Removing Label Cassettle

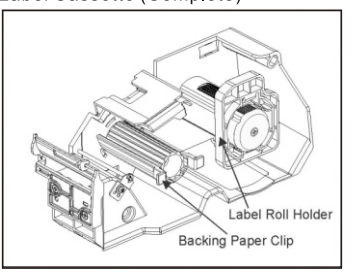
1. Open Side Door and Open the Print Head.



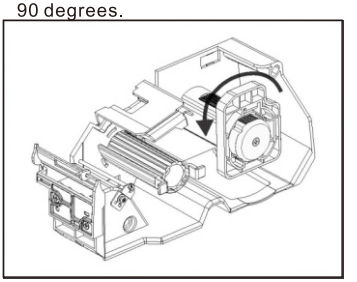
2. Slide Label Cassette Out of Scale.



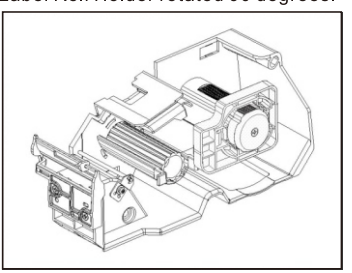
3. Label Cassette (Complete)



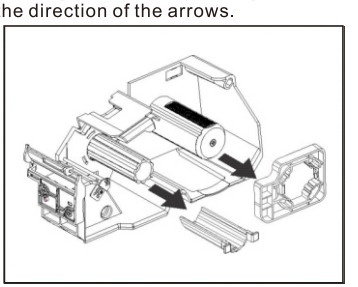
4. Turn Label Roll Holder counterclockwise 90 degrees.



5. Label Roll Holder rotated 90 degrees.

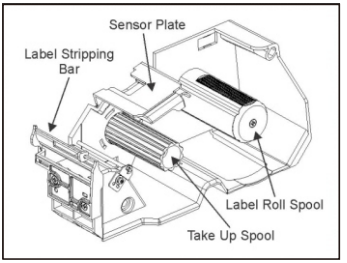


6. Remove Label Roll Holder and the Backing Paper Clip by pulling them in the direction of the arrows.

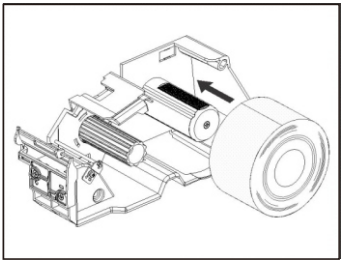


Loading the Labels

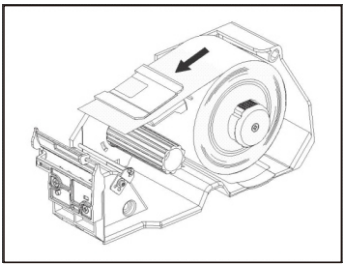
1. Empty Label Cassette (Complete)



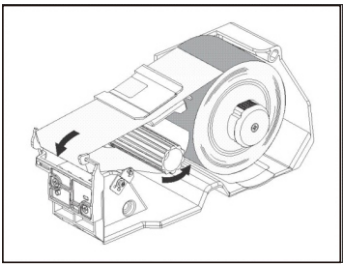
2. Place the Roll of Labels on the Label Roll Spool.



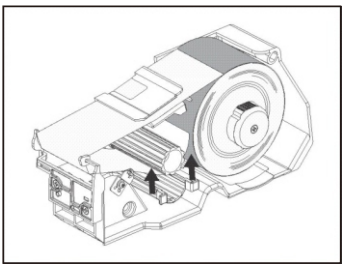
3. Thread the Backing Paper Portion of the roll of labels through the Sensor Plate.



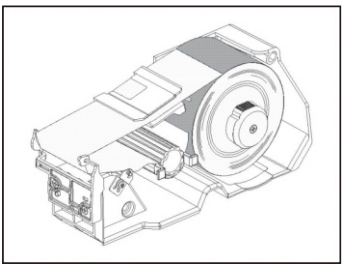
4. Continue threading the backing paper over the Label Stripping Bar and under the Take Up Spool.



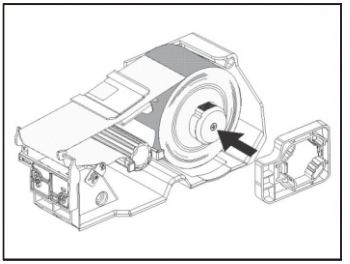
5. While holding the backing paper around the Take Up Spool, snap the Backing Paper Clip in place.



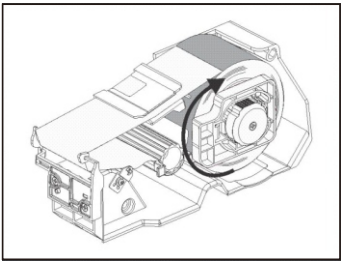
6. The Backing Paper Clip should be secured in place.



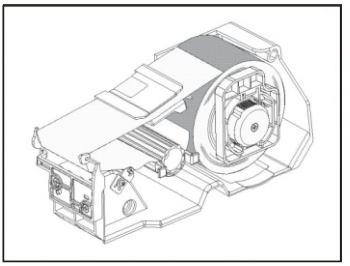
7. Place the Label Roll Holder on the Label Roll Spool as shown below.



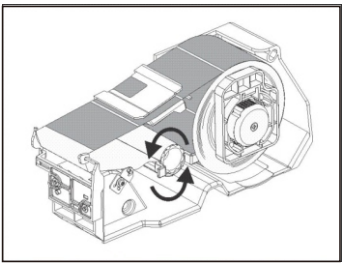
8. Rotate the Label Roll Holder clockwise 90 degrees until it locks in place.



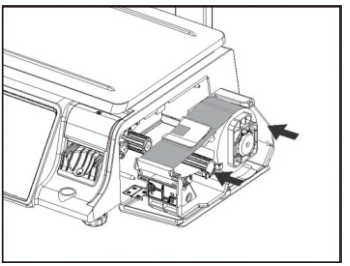
9. The Label Roll Holder should be secured in place.



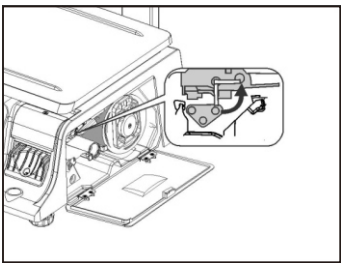
10. Turn the Backing Paper Spool with Clip counter clockwise to advance the labels as shown below.



11. Install the Label Cassette with labels into the scale.

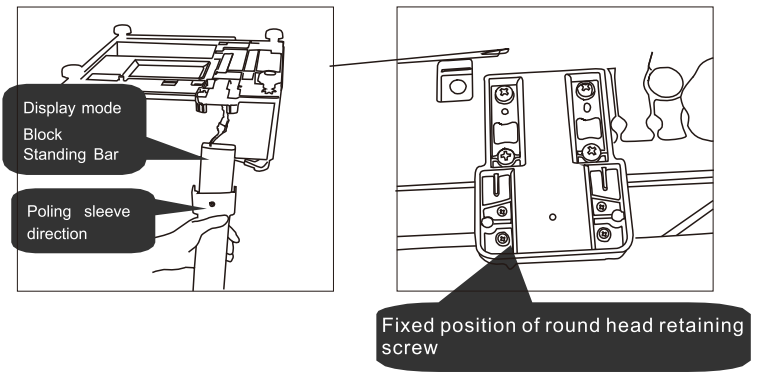


12. Close the Print Head. Close the Side Door. Press the Esc/Feed key one time.

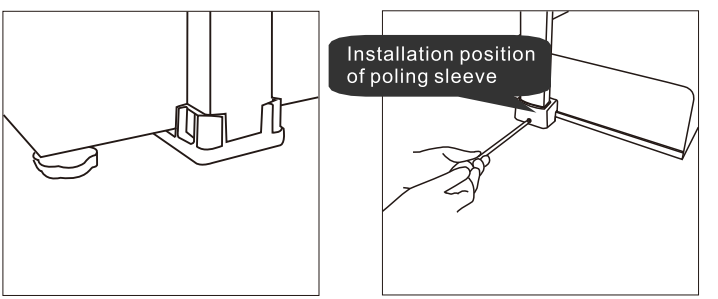


1.6 Fixing of Display Module

Step 1: Set the poling sleeve into the pole in the correct direction, connect well the connecting line of display module with connecting line of scale body, and use four round head screws to fix the display module of scare on the metal base of the weighing body;

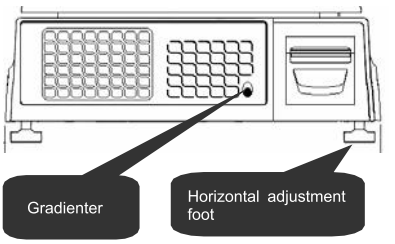


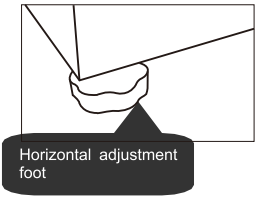
Step 2: Confirm the connection line is free of extrusion, fixing of poling is free of skew, and then use a countersunk head screw to fix poling sleeve.

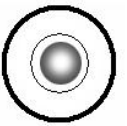


1.7 Horizontal Adjustment

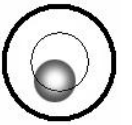
As shown in the figure, adjust the four feet under the base to adjust the horizontal bubble to the center of the circle area.







Correct operation: gradienter bubbles are in the center



Incorrect operation: gradienter bubbles are not in the center

II. The visuality edit of commodity items

The visuality of the items when editing the commodities (visual: commodityID S0.0, commodityname S0.1, unit price of the retail S0.2, tag format S0.4、bar code format S0.5、F1F2S0.6、instore bar codeS0.7、bar code type S0.8、shelf life S0.16、non-weighed commodityS0.29)

	Operation	Display			
		Tare	Weight	Unit price/kg	Total price
		0.000	0.000	0.00	0.00
1. Enter the edit mode (S1 commodity edit mode)	[MODE] [MODE]	S1	Edit		PLU
2.Enter the visuality edit of commodity items	[0 X]	S0	Edit	0	PLUSEL
3.Confirmation Visuality of commodityID(the item visuality is 1)	[PRINT] [1]	S0.0 S0.0	item item	1 1	PLUNO PLUNO
4.Confirmation Visuality of commodityname (the item visuality is 1)	[PRINT] [1]	S0.1 S0.1	item item	1 1	PLUNAME PLUNAME
5.Confirmation Visuality of unit price of the retail (the item visuality is 1)	[PRINT] [1]	S0.2 S0.2	item item	1 1	SLPRC SLPRC
6.Confirmation Invisibility of ceiling price (the item invisibility is 0)	[PRINT] [0]	S0.3 S0.3	item item	1 0	MAXPRC MAXPRC
7.Confirmation Visuality of tag format (the item visuality is 1)	[PRINT] [1]	S0.4 S0.4	item item	1 1	LFMT LFMT
8.Confirmation Visuality of bar code format (the item visuality is 1)	[PRINT] [1]	S0.5 S0.5	item item	1 1	BCDFMT BCDFMT
9.Confirmation Visuality of F1F2 (the item visuality is 1)	[PRINT] [1]	S0.6 S0.6	item item	1 1	F1F2 F1F2
10.Confirmation Visuality of instore bar code (the item visuality is 1)	[PRINT] [1]	S0.7 S0.7	item item	1 1	ITCODE ITCODE
11.Confirmation Visuality of bar code type (the item visuality is 1)	[PRINT] [1]	S0.8 S0.8	item item	1 1	BCDTYP BCDTYP

12.Confirmation Invisibility of the main group number (the item invisibility is 0)	[PRINT] [0]	S0.9	item	0	GRPNO
		S0.9	item	0	GRPNO
13.Confirmation Invisibility of the tax number (the item invisibility is 0)	[PRINT] [0]	S0.10	item	0	TAXNO
		S0.10	item	0	TAXNO
14.Confirmation Invisibility of the comparison code (the item invisibility is 0)	[PRINT] [0]	S0.11	item	0	BLCNO
		S0.11	item	0	BLCNO
15.Confirmation Invisibility of the character code (the item invisibility is 0)	[PRINT] [0]	S0.12	item	0	TAGNO
		S0.12	item	0	TAGNO
16.Confirmation Invisibility of the charge unit (the item invisibility is 0)	[PRINT] [0]	S0.13	item	0	WTUNIT
		S0.13	item	0	WTUNIT
17.Confirmation Invisibility of the sales date (the item invisibility is 0)	[PRINT] [0]	S0.14	item	0	SDAY
		S0.14	item	0	SDAY
18.Confirmation Invisibility of the sales time (the item invisibility is 0)	[PRINT] [0]	S0.15	item	0	STIM
		S0.15	item	0	STIM
19.Confirmation Visuality of the shelf life (the item visuality is 1)	[PRINT] [1]	S0.16	item	0	VDAY
		S0.16	item	1	VDAY
20.Confirmation Invisibility of the packaging date(the item invisibility is 0)	[PRINT] [0]	S0.17	item	0	PDAY
		S0.17	item	0	PDAY
21.Confirmation Invisibility of the packaging time(the item invisibility is 0)	[PRINT] [0]	S0.18	item	0	PTIM
		S0.18	item	0	PTIM
22.Confirmation Invisibility of the member price(the item invisibility is 0)	[PRINT] [0]	S0.19	item	0	VIPPRC
		S0.19	item	0	VIPPRC
23.Confirmation Invisibility of the cost unit price(the item invisibility is 0)	[PRINT] [0]	S0.20	item	0	CSPRC
		S0.20	item	0	CSPRC
24.Confirmation Invisibility of the tare (the item invisibility is 0)	[PRINT] [0]	S0.21	item	0	TARE
		S0.21	item	0	TARE
25.Confirmation Invisibility of the pre-packaged number(the item invisibility is 0)	[PRINT] [0]	S0.22	item	1	QTY
		S0.22	item	0	QTY
26.Confirmation Invisibility of specific informtion(the item invisibility is 0)	[PRINT] [0]	S0.24	item	1	DSC
		S0.24	item	0	DSC

27.Confirmation Invisibility of the ingredient(the item invisibility is 0)	[PRINT] [0]	S0.25 S0.25	item item	1 0	INGRE INGRE
28.Confirmation Invisibility of the producing area(the item invisibility is 0)	[PRINT] [0]	S0.26 S0.26	item item	0 0	ADDR ADDR
29.Confirmation Invisibility of the traceability code's source(the item invisibility is 0)	[PRINT] [0]	S0.27 S0.27	item item	1 0	TRACSRC TRACSRC
30.Confirmation Invisibility of the traceability code's grouping (the item invisibility is 0)	[PRINT] [0]	S0.28 S0.28	item item	1 0	TRACGRP TRACGRP
31. Confirmation Visuality of the non-weighed commodity (the item visuality is 1)	[PRINT] [1]	S0.29 S0.29	item item	0 1	ISUNIT ISUNIT
32.Confirmation Invisibility of the traceability code's printing (the item invisibility is 0)	[PRINT] [0]	S0.30 S0.30	item item	1 0	PRTTRAC PRTTRAC
33.Confirmation Invisibility of the sales date's printing (the item invisibility is 0)	[PRINT] [0]	S0.31 S0.31	item item	0 0	PRTSDAT PRTSDAT
34.Confirmation Invisibility of the sales time's printing (the item invisibility is 0)	[PRINT] [0]	S0.32 S0.32	item item	0 0	PRTSTIM PRTSTIM
35.Confirmation Invisibility of the shelf life's printing (the item invisibility is 0)	[PRINT] [0]	S0.33 S0.33	item item	0 0	PRTVDAT PRTVDAT
36.Confirmation Invisibility of the packaging date's printing (the item invisibility is 0)	[PRINT] [0]	S0.34 S0.34	item item	0 0	PRTPDAT PRTPDAT
37.Confirmation Invisibility of the packaging time's printing (the item invisibility is 0)	[PRINT] [0]	S0.35 S0.35	item item	0 0	PRTPTIM PRTPTIM
38.Confirmation Invisibility of the unit price's opening(the item invisibility is 0)	[PRINT] [0]	S0.36 S0.36	item item	0 0	OPENPRC OPENPRC
39.Confirmation Invisibility of the allowed discount and allowance(the item invisibility is 0)	[PRINT] [0]	S0.37 S0.37	item item	0 0	ENABLED ENABLED
40.Confirmation Invisibility of banned sales (the item invisibility is 0)	[PRINT] [0]	S0.38 S0.38	item item	0 0	CNOTSAL CNOTSAL
41.Confirmation Invisibility of the allowed limited price (the item invisibility is 0)	[PRINT] [0]	S0.39 S0.39	item item	0 0	LIMPRC LIMPRC

42. Save the data	[PLU]	S0	item	0	PLUSEL
43.Reture	[FEED]	0.000	0.000	0.00	0.00

III. The edit of commodities and the assignment of shortcut keys

The edit of weighed commodities (for example:edit a number 10 commodity, the trade name is “Pork 1”, the unit price of each kilogram is “12.00”, the lable format is number “1”，the bar code format is number “ 0”，F1F2=“24”，the instore bar code is “12345”，the bar code type is “amount ”，the shelf life is “3” days，and it is a weighed commodity “0”)

	Operation	Display			
		Tare	Weight	Unit price/kg	Total
		0.000	0.000	0.00	0.00
1. Enter the edit mode(S1 commodity edit mode)	[MODE] [MODE]	S1	Edit		PLU
2. Enter the editing of S mode	[PRINT]	S1.0	ITEM	0	PLUNO
3. Input the commodity ID, such as number 10(Notice: the maximum length of the commodity ID is 6 digits)Confirmation	[1 0] [PRINT]	S1.0 S1.1	ITEM 1.01.G3	10	PLUNO PLUNAME
4. Input the location code of the commodity name Press[Font] key, and change the fond Confirmation	Pork1 [P/p]“P” [O/o] [O/o]“o” [R/r] [R/r]“r” [K/k] [K/k]“k” [1]“1” [Font] [PRINT]	S1.1 S1.1 S1.2	 ITEM	1.06.G3 1.06.G4 0.00	PLUNAME PLUNAME SLPRC
5. Input the unit price/kg of the commodity , such as 12.00 Yuan/kilogramConfirmation	[1200] [PRINT]	S1.2 S1.4	ITEM ITEM	12.00 0	SLPRC LFMT
6. Input the number of the tag format , such as number 1 Confirmation	[1] [PRINT]	S1.4 S1.5	ITEM ITEM	1 0	LFMT BCDFMT
7.Input the bar code format, such as number 0 0: 2F5C5XS 4: 2F5C5X5PS 1: 1F6C5XS 5: 1F6C5P5XS 2: 2F10CS 6: 1F6C5X5PS 3: 2F5C5P5XS …… Confirmation	[0] [PRINT]	S1.5 S1.6	ITEM ITEM	0 0	BCDFMT F1F2

8.Input the bar code flag F1F2, such as 24 Confirmation	[24] [PRINT]	S1.6 S1.7	ITEM ITEM	24 00000	F1F2 ITCODE
9.Input the instore bar code, such as 12345 Confirmation	[12345] [PRINT]	S1.7 S1.8	ITEM ITEM	12345 2	ITCODE BCDTYP
10.Input the bar code type, such as number 2 amount 0: weight 1: number 2: amount Confirmation	[2] [PRINT]	S1.8 S1.16	ITEM ITEM	2 0	BCDTYP VDAY
11.Shelf time 3 days Confirmation	[3] [PRINT]	S1.16 S1.29	ITEM ITEM	3 0	VDAY ISUNIT
12. The weighed commodity is 0 Confirmation	[0] [PRINT]	S1.29 S1.0	ITEM ITEM	0	ISUNIT PLUNO
13. Save the data	[PLU]	S1	Edit		PLU
14. Return	[FEED]	0.000	0.000	0.00	0.00

The edit of non-weighed commodities (for example:edit a number 14 commodity, the trade name is “Pork 2”, the unit price of each kilogram is “16.00”, the lable format is number “1”, the bar code format is number “ 0”, F1F2=“24”, the instore bar code is “23456”, the bar code type is “amount ”, the shelf life is “3” days, and it is a non-weighed commodity “1”)

	Operation	Display			
		Tare	Weight	Unit price/kg	Total price
		0.000	0.000	0.00	0.00
1. Enter the edit mode (S1 commodity edit mode)	[MODE] [MODE]	S1	Edit		PLU
2. Enter the editing of S mode	[PRINT]	S1.0	ITEM	0	PLUNO
3. Input the commodity ID, such as number 14(Notice: the maximum length of the commodity ID is 6 digits) Confirmation	[1 4] [PRINT]	S1.0 S1.1	ITEM 1.01.G3	14	PLUNO PLUNAME
4. Input the location code of the commodity name Press[Font] key, and change the fond Confirmation	Pork 2 [P/p]“P” [O/o][O/o]“o” [R/r][R/r]“r” [K/k][K/k]“k” [2]“2” [Font] [PRINT]	S1.1 S1.1 S1.2	1.06.G3 1.06.G4 ITEM	 0.00	PLUNAME PLUNAME SLPRC
5. Input the unit price/kg of the commodity , such as 16.00 Yuan/kilogram Confirmation	[1600] [PRINT]	S1.2 S1.4	ITEM ITEM	16.00 0	SLPRC LFMT
6. Input the number of the tag format , such as number 1 Confirmation	[1] [PRINT]	S1.4 S1.5	ITEM ITEM	1 0	LFMT BCDFMT
7.Input the bar code format, such as number 0 0: 2F5C5XS 4: 2F5C5X5PS 1: 1F6C5XS 5: 1F6C5P5XS 2: 2F10CS 6: 1F6C5X5PS 3: 2F5C5P5XS ..... Confirmation	[0] [PRINT]	S1.5 S1.6	ITEM ITEM	0 0	BCDFMT F1F2

8.Input the bar code flag F1F2, such as 24 Confirmation	[24] [PRINT]	S1.6 S1.7	ITEM ITEM	24 00000	F1F2 ITCODE
9.Input the instore bar code, such as 23456 Confirmation	[23456] [PRINT]	S1.7 S1.8	ITEM ITEM	23456 2	ITCODE BCDTYP
10.Input the bar code type, such as number 2 amount 0: weight 1: number 2: amount Confirmation	[2] [PRINT]	S1.8 S1.16	ITEM ITEM	2 0	BCDTYP VDAY
11.Shelf time 3 days Confirmation	[3] [PRINT]	S1.16 S1.29	ITEM ITEM	3 0	VDAY ISUNIT
12. The non-weighed commodity is 1 Confirmation	[1] [PRINT]	S1.29 S1.0	ITEM ITEM	1	ISUNIT PLUNO
13. Save the data	[PLU]	S1	Edit		PLU
14. Return	[FEED]	0.000	0.000	0.00	0.00

PLU (commodity)'s assignmet of shortcut keys (For example: number 10 commodity is assigned to shortcut key P2; number 14 commodity is assigned to shortcut key P9)

1. Enter the edit mode (S1 commodity edit mode)	[MODE] [MODE]	S1	Edit		PLU
2. Choose the operation of assining the commodity to shortcut keys	[1 2 X]	S12	Edit	12	PLUKEY
3. Confirm the PLU (commodity) assignment	[PRINT]	S12.0	Edit	0	1-01
4. Choose the shortcut key, continuously press the [PRINT] key 1-02: means the P2 shortcut key of the first page(or press key [P2])	[PRINT.....] Or [P2]	S12.0	Edit	0	1-02
5. Input the commodity ID number 10 Confirmation	[10] [PRINT]	S12.0 S12.0	Edit Edit	10 0	1-02 1-03
Repeat step 4-5, then multiple commodities can be assigned					
4.Choose the shortcut key, continuously press the [PRINT] key 1-09: means the P9 shortcut key of the first page(or press key [P9])	[PRINT.....] Or [P9]	S12.0	Edit	0	1-09
5. Input the commodity ID number 14 Confirmation	[14] [PRINT]	S12.0 S12.0	Edit Edit	14 0	1-09 1-10
6.Save	[PLU]	S12	Edit	12	PLUKEY
7. Return	[FEED]	0.000	0.000	0.00	0.00

IV.The printing of labels

1. The methods of calling out the commodities
(Ⅰ) Press the key【PLU】after having input the commodity ID
(Ⅱ)Directly press the shortcut key
(Ⅲ)Directly input the commodity ID,when SP071=1

2. Manually print the label(Press the key【FEED】, to make the paper skipping normal; press the key 【AUTO】, to turn the manual light on)
(Ⅰ) Calling out the weighed commodity→Put the commodity on the scale →Press the key【PRINT】→Print the label of the weighed commodity
(Ⅱ) Calling out the non-weighed commodity→Input the quantity, and press the key【X】 →Press the key【PRINT】→Print the label of the non-weighed commodity

3. Automatically print the labels(Press the key【FEED】, to make the paper skipping normal; press the key 【AUTO】, to turn the automatic light on)
(Ⅰ) Calling out the weighed commodity→Put the commodity on the scale →Automatically print a label of the weighed commodity
(Ⅱ) Calling out the non-weighed commodity→Press the key【PRINT】→Input the quantity of sheets→Press the key【PRINT】→Remove one label , and print another label

V. The edit of store name and text

1. Editing of the store name (there are a total of 32 stores to be edited)
Press the【MODE MODE】→Press【2 X】→Press【PRINT】→ Input the number of the store name →Press【PRINT】→ Input the location code of the store name →Press【Font】to change the font of the store name →Press【PRINT】→ Press the key【PLU】to save → Press the key【FEED】to return

2. Editing of the text (there are a total of 32 text s to be edited)
Press the【MODE MODE】→Press【3 X】→Press【PRINT】→ Input the number of the text →Press【PRINT】→ Input the location code of the text→Press【Font】to change the font of the text →Press【PRINT】→ Press the key【PLU】to save → Press the key【FEED】to return

3. Editing of the date/time
Press the【MODE MODE】→Press【17 X】→Press【PRINT】→ Input the YYYYMMDD【20160312】→Press【PRINT】→ Input the HHMMSS【162300】→Press【PRINT】→ Press the key【PLU】to save → Press the key【FEED】to return

VI. The mode of clearing data (Z mode)

Description	Operation	Display			
R light is on (transaction mode)		0.000	0.000	0.00	0.00
1.Clear 《SPEC file》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC", clear SPEC file,press the key [PRINT], displays "Z0.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], clear the 《SPEC file》. Press the key 【FEED】to return.					
2.Clear 《files like store name, text, ;tag format etc》: Press the 【MODE MODE MODE】, displays "Z0 EDIT CLRSPEC",clear SPEC file,press the key [1 X], displays "Z1 EDIT CLRTXT", clear files like store name, text, ;tag format etc press the key [PRINT], displays "Z1.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], clear the 《files like store name, text, ;tag format etc》. Press the key 【FEED】to return.					
3.Clear 《commodity and special trace file》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file,press the key [2 X], displays "Z2.0 ITEM 0 CLEAR" clear commodity and special trace file press the key [PRINT], displays "Z2.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], clear the 《commodity and special trace file》. Press the key 【FEED】to return.					
4.Clear 《sales file》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC", clear SPEC file,press the key [3 X], displays "Z3 EDIT CLRSALE", clear sales filepress the key [PRINT], displays "Z3.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yesinput [1], press the key [PLU], clear the 《sales file》. Press the key 【FEED】to return.					
5.Clear 《department, main group and tax rate file》: Press the 【MODE MODE MODE】, displays "Z0 EDIT CLRSPEC",clear SPEC file,press the key [4 X], displays "Z4 EDIT CLROTHR", clear department, main group and tax rate file press the key [PRINT],displays "Z4.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], clear the 《department, main group and tax rate file》. Press the key 【FEED】to return.					
6.《cleansing of redundant data》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [5 X], displays "Z5 EDIT ZIPDB", clean redundant data press the key [PRINT], displays "Z5.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], has finished 《cleansing of redundant data》. Press the key 【FEED】to return.					
7.《reset data base》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC", clear SPEC file, press the key [6 X], displays "Z6 EDIT INITDB", reset data base press the key [PRINT], displays "Z6.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1], press the key [PLU], has finished 《reset data base》. Press the key 【FEED】to return.					
8.《return to factory settings》: Press the 【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [7X], displays "Z7 EDIT RESTSYS", return to factory settings press the key [PRINT], displays "Z7.0 ITEM 0 CLEAR", clear or not, 0: no; 1: yes input [1],press the key [PLU], has finished 《return to factory settings》. Press the key 【FEED】to return.					

9.《quick initialization of the commodity information》: Press the【MODE MODE MODE】, displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [8 X], displays "Z8 EDIT INITPLU", quick initialization of the commodity information,press the key [PRINT], displays "Z8.0 ITEM 0 MODE", commodity initialization mode,0: None; 1: Vegetables; 2: Fruits; 3: Cooked foods; 4: Snack foods; 5: Meat; 6: North-South dried foods ; 7: Aquatic products; 8: Pastry; 9: Cereals; 10: Pickles; 11: Cake Input 《commodity initialization mode》,such as 1 Vegetables, input [1], press the key [PRINT], displays"Z8.1 ITEM 0 CLEAR",clear or not, 0: no; 1: yes, yes《clear all the commodities》 input [1],press the key [PLU],has finished《quick initialization of the commodity information》.Press the key【FEED】to return.

10《extract running log of the system 》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [9X], displays "Z9 EDIT RPTLOG", extract running log of the system, press the key [PRINT], displays "Z9.0 ITEM 0 MODE", extract mode, 0: Nothing; 1: USB; 2: Internet, if a USB is used, plug in the USB flash disk, input [1],press the key [PLU],has finished《extract running log of the system 》. Press the key【FEED】to return.

11《extract record of the system firmware's update》: Press the【MODE MODE MODE】, displays "Z0 EDIT CLRSPEC",clear SPEC file,press the key [10 X], displays "Z10 EDIT RPTUPG", extract record of the system firmware's update , press the key [PRINT], displays "Z10.0 ITEM 0 MODE", extract mode, 0: Nothing; 1: USB; 2: Internet, if a USB is used, plug in the USB flash disk, input [1],press the key [PLU],has finished 《extract running log of the system 》. Press the key【FEED】to return.

12.《backup the system data base》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [11 X], displays "Z11 EDIT BACKDB", backup the system data base,press the key [PRINT], displays "Z11.0 ITEM 0 MODE", extract mode, 0: Nothing; 1: USB; 2: Internet, if a USB is used, plug in the USB flash disk, input [1],press the key [PLU],has finished《backup the system data base》. Press the key【FEED】to return.

13.《extract calicration record》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file, press the key [12 X], displays "Z12 EDIT BAKMARK", extract calicration record, press the key [PRINT], displays "Z12.0 ITEM 0 MODE", extract mode, 0: Nothing; 1: USB; 2: Internet, if a USB is used, plug in the USB flash disk, input [1], press the key [PLU],has finished《extract calicration record》. Press the key【FEED】 to return.

14《data backup》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC", clear SPEC file,press the key [13 X], displays "Z13 EDIT BACKUP", data backup,press the key [PRINT], displays "Z13.0 ITEM 0 SPEC", 0: None; 1: backup to USB flsh disk, if a USB is used, plug in the USB flash disk, input [1],press the key[PRINT], displays "Z13.1 ITEM 0 H112", network parameter, 0: None; 1: backup to USB flsh disk, for example, input [1],press the key[PRINT], displays"Z13.2 ITEM 0 PLABEL", tag format, 0: None; 1: backup to USB flsh disk, for example, input [1],press the key[PRINT], displays"Z13.3 ITEM 0 UDF", custom bar code format, 0: None; 1: backup to USB flsh disk, for example, input [1],press the key[PRINT], displays"Z13.4 ITEM 0 MAINDB", main data base, 0: None; 1: backup to USB flsh disk, for example, input [1],press the key[PRINT], has finished《data backup》. Press the key【FEED】to return.

15.《data recovery》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC", clear SPEC file, press the key [14 X], displays "Z14 EDIT RESTORE", data recovery, press the key [PRINT], displays "Z14.0 ITEM 0 SPEC", 0: None; 1: restore from USB flsh disk, if a USB is used, plug in the USB flash disk, input [1],press the key[PRINT], displays"Z14.1 ITEM 0 H112", network parameter, 0: None; 1: restore from USB flsh disk, for example, input [1],press the key[PRINT], displays"Z14.2 ITEM 0 PLABEL", tag format,0: None; 1: restore from USB flsh disk, for example, input [1],press the key [PRINT], displays"Z14.3 ITEM 0 UDF", custom bar code format, 0: None; 1: restore from USB flsh disk, for example, input [1],press the key[PRINT], displays "Z14.4 ITEM 0 MAINDB", main data base, 0: None; 1: restore from USB flsh disk, for example, input [1],press the key[PRINT], has finished《data recovery》. Press the key【FEED】to return.

16.《automatic backup and recovery of the main data base》: Press the【MODE MODE MODE】,displays "Z0 EDIT CLRSPEC",clear SPEC file,press the key [15 X], displays "Z15 EDIT RSD", automatic backup and recovery of the main data base, press the key [PRINT], displays "Z15.0 ITEM 0 MODE", restore the main data base from the system backup, 0: no; 1: yes for example, input [1],press the key[PRINT], displays "Z15.1 ITEM 0 MODE1", use the main data base to cover the system backup, 0: no; 1: yes for example, input [0],press the key[PLU], has finished《automatic backup and recovery of the main data base》. Press the key【FEED】to return.

VII. Error message

Display		Descriptions
E000	db Err	operation failure of system data base
E001	No Sensor	no sensor signal
E012	PRINTER_OPENED	the printing head is in the opening state
E013	PRINTER_NOPAPER	out of paper
E014	PRINTER_LABELNOTMOVE	the label is not removed
E016	PRINTER_HOT	the printing head is overheating
E017	PRINTER_BUSY	the printer is busy
E018	PRINTER_PRINTER_ERROR	communication error of the printer
E019	No ForMat	no label format
E020	INVALID_INPUT	commodity PLUNO has not been input
E021	PLUNO_NOTFOUND	the commodity does not exist
E023	LIMIT_NOTENOUGH	weight limit of the traceability code is not enough
E024	PRINTER_PARAMNOTDETECT	label parameter has not been detected
E025	PRINTER_BUFFERFULL	buffer zone of the printer is full
E026	TRACEINDEX_NOTFOUND	serial number of the traceability code does not exist
E027	PLUNO_CANNOESALE	the commodity is banned from been sold
E028	SYSTEM_BUSY	the system is busy
E031	DISAMT_MAX	error of the discount amount
E032	DISRAT_MAX	error of the discount rate
E033	PAYAMT_TOSMALL	the payment amount is 0
E034	CHANGEAMT_TOBIG	error of the change amount
E035	CHANGEAMT_INVALID	the change amount is unreasonable
E036	PAYAMT_INVALID	the payment amount is unreasonable
E037	TRACECARDDRIVER_INDEX_ OUTOFBOUNDS	card driver of the traceability code does not exist
E038	TRACECARDDRIVER_READ ERROR	card reading operation of the traceability code fails
E039	TRACECARDDRIVER_ READ BLCNO_NOTFOUND	comparison code of the commodity does not exist during the card reading of the traceability code
E040	TRACECARDDRIVER_READ _ TRACECODE_EXISTS	traceability code has existed during the card reading of the traceability code
E041	TRACECARDDRIVER_READ _ EMPTY	the card is empty during the card reading of the traceability code
E042	PREPAIDCARDDRIVER_PAY_ ERROR	failure of the payment of expense card(like the Mrs. Ma card)
E043	NOUSB	the USB storage device has not been found
E044	NOFILE	upgrade package files have not been found in the USB storage device
E045	LOW BATTERY	warning of low battery voltage
E046		card reading operation of the citizen card fails
E047	cant diScaMt	allowance is banned

E048	cant diScrat	discount is banned
E049	AMtoVEr	overflow of the label amount(only in label mode)
E050		card writing operation of the traceability code fails

VIII. Function of realization

1. The weighed commodity's F1F2 default value (default value SP001=21)
Modify the weighed commodity's F1F2 default value to SP001=23.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【23 PRINT】, displays "R141 SP002 24 24" → press the key【PLU】to save and exit.

2. The non-weighed commodity's F1F2 default value (default value SP002=24)
Modify the non-weighed commodity's F1F2 default value to SP002=25.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【2 X】, displays "R141 SP002 24 24" →Input【25 PRINT】, displays "R141 SP003 0 0"→ press the key【PLU】to save and exit.

3. Format of the weighed bar code (default value SP003=0)
Modify the format of the weighed bar cod's default value to SP003=1.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【3 X】, displays "R141 SP003 0 0" →Input【1PRINT】, displays "R141 SP004 0 0"→ press the key【PLU】to save and exit.

4. Format of the non-weighed bar code (default value SP004=0)
Modify the format of the non-weighed bar cod's default value to SP004=1.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【4 X】, displays "R141 SP004 0 0" →Input【1PRINT】, displays "R141 SP005 2 2"→ press the key【PLU】to save and exit.

5. Type of the weighed bar code (default value SP005=2(amount))
Modify the type of the weighed bar cod's default value to SP005=0(weight).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【5 X】, displays "R141 SP005 2 2" →Input【0 PRINT】, displays "R141 SP006 2 2"→ press the key【PLU】to save and exit.

6. Type of the non-weighed bar code (default value SP006=2 (amount))
Modify the type of the non-weighed bar cod's default value to SP006=1(weight).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【6 X】, displays "R141 SP006 2 2" →Input【1 PRINT】, displays "R141 SP007 0 0"→ press the key【PLU】to save and exit.

7. Adopt the store name text font in the label format (default value SP007=0 (no, which means adopt the store name text font))
Adopt the store name text font in the label format, the default value is SP007=1 (yes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【7X】, displays "R141 SP007 0 0" →Input【1 PRINT】, displays "R141 SP008 0 0"→ press the key【PLU】to save and exit.

8. Adopt the bar code setting defined in SPEC (default value SP008=0 (no))
Adopt the bar code setting defined in SPEC, the default value is SP008=1 (yes).
It means that only when SP008=1, SP001, SP002, SP003, SP004, SP005, and SP006 are valid.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【8X】, displays "R141 SP008 0 0" →Input【1 PRINT】, displays "R141 SP010 0 0"→ press the key【PLU】to save and exit.

9. Support lauch by swiping card (default value SP010=0(no))
Support lauch by swiping card, the default value is SP010=1 (yes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【10X】, displays "R141 SP010 0 0" →Input【1 PRINT】, displays "R141 SP011 6 6"→ press the key【PLU】to save and exit.

10. PLUNO's formatting length in label printing (default value SP011=6 (bits))
PLUNO's formatting length in label printing, the default value is SP011=8 (bits).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【11X】, displays "R141 SP011 6 6" →Input【8 PRINT】, displays "R141 SP024 0 0"→ press the key【PLU】to save and exit.

11. Silver box's opening of delay (default value SP024=0 (controlled by hardware))
Silver box's opening of delay, the default value is SP024=1 (40ms).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【24 X】, displays "R141 SP024 0 0" →Input【1 PRINT】, displays "R141 SP029 2 2"→ press the key【PLU】to save and exit.

12. Setting of the screen luminance (default value SP029=2 (normal))
Setting of the screen luminance, the default value is SP029=3 (relavively bright).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【29 X】, displays "R141 SP029 2 2" →Input【3 PRINT】, displays "R141 SP030 0 0"→ press the key【PLU】to save and exit.

13. The screen darkens after the system idle time has reached a certain seconds (default value SP030=0 (the screen does not darken))
The screen darkens after the system idle time has reached a certain seconds, the default value is SP030=5(which means that the screen darken after 5 seconds).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【30 X】, displays "R141 SP030 0 0" →Input【5 PRINT】, displays "R141 SP031 0 0"→ press the key【PLU】to save and exit.

14. Turn the screen off after the system idle time has reached a certain seconds (default value SP031=0 (do not turn the screen off))
Turn the screen off after the system idle time has reached a certain seconds, the default value is SP030=5(which means turing the screen off after 5 seconds).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【31 X】, displays "R141 SP031 0 0" →Input【5 PRINT】, displays "R141 SP032 60 60"→ press the key【PLU】to save and exit.

15. The printer automatically sleep after the idle time has reached a certain seconds (default value SP032=60 (s))
The printer automatically sleep after the idle time has reached a certain seconds, the default value is SP032=50 (which means the printer automatically sleep after the idle time has reached 50 seconds).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【32 X】, displays "R141 SP032 60 60" →Input【50 PRINT】, displays "R141 SP033 1 1"→ press the key【PLU】to save and exit.

16. A utomatically detect if the printer is out of paper (default value SP033=1 (yes))
Automatically detect if the printer is out of paper, the default value is SP033=0 (no).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【33 X】, displays "R141 SP033 1 1" →Input【0 PRINT】, displays "R141 SP040 1 1"→ press the key【PLU】to save and exit.

17. The upper limit of the allowance amount (default value SP040=1.00)

18. The upper limit of the discount rate (default value SP041=50)

19. Print the original price under the receipt mode (default value SP042=0 (which means that do not print the original price under the receipt mode))
Print the original price under the receipt mode, the default value is SP042=1 (which means that print the original price under the receipt mode).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【42 X】, displays "R141 SP042 0 0" →Input【1 PRINT】, displays "R141 SP043 0 0"→ press the key【PLU】to save and exit.

20. Allow the sales promotion function of the commodities (default value SP043=0 (which means that the sales promotion function of the commodities is banned))
Allow the sales promotion function of the commodities, the default value is SP043=1 (which means that the sales promotion function of the commodities is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【43 X】, displays "R141 SP043 0 0" →Input【1 PRINT】, displays "R141 SP044 0 0"→ press the key【PLU】to save and exit.

21. The allowance function is allowed (default value SP044=0 (which means that the allowance function is banned))
The allowance function is allowed, the default value is SP044=1 (which means that the allowance function is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【44 X】, displays "R141 SP044 0 0" →Input【1 PRINT】, displays "R141 SP045 0 0"→ press the key【PLU】to save and exit.

22. The discount function is allowed (default value SP045=0 (which means that the discount function is banned))
The discount function is allowed, the default value is SP045=1 (which means that the discount function is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【45 X】, displays "R141 SP045 0 0" →Input【1 PRINT】, displays "R141 SP046 0 0"→ press the key【PLU】to save and exit.

23. Do not print label when the amount of the bar code overflows (default value SP046=1 (is not to rint label))
Print the label but not the bar code when the amount of the bar code overflows, the default value is SP046=0.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【46 X】, displays "R141 SP046 1 1" →Input【0 PRINT】, displays "R141 SP047 0 0"→ press the key【PLU】to save and exit.

24. Open the silver box when printing the label (default value SP047=0 (do not open the silver box))
Open the silver box when printing the label, the default value is SP047=1 (open the silver box).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【47X】, displays "R141 SP047 0 0" →Input【1 PRINT】, displays "R141 SP048 0 0"→ press the key【PLU】to save and exit.

25. The default label format (default value SP048=0 (is number 0 format, which is the label format of the commodity) The label format's default value is SP048=1 (is number 1 format).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【48X】, displays "R141 SP048 0 0" →Input【1 PRINT】, displays "R141 SP049 1 1"→ press the key【PLU】to save and exit.

26. The store name printed on the label (default value SP049=1 (is number 1 store name) The store name printed on the label's default value is SP049=2 (is number 2 store name).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【49X】, displays "R141 SP049 1 1" →Input【2 PRINT】, displays "R141 SP050 0 0"→ press the key【PLU】to save and exit.

27. Weight shift of the label (default value SP050=0)
SP050 0: do not shift; 1: right shift for 1 bit ; 2: right shift for 2 bits;
3: right shift for 3 bits; 4: left shift for 1 bit; 5: left shift for 2 bits;
6: left shift for 3 bits; 7: left shift for 4 bits

28. Quantity shift of the label (default value SP051=0(which means do not shift)
SP051 0: do not shift; 1: right shift for 1 bit ; 2: right shift for 2 bits;
3: right shift for 3 bits; 4: left shift for 1 bit; 5: left shift for 2 bits;
6: left shift for 3 bits; 7: left shift for 4 bits
Quantity shift of the label's default value is SP051=6(which means left shift for 3 bits)
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【51X】, displays "R141 SP051 0 0" →Input【6 PRINT】, displays "R141 SP052 0 0"→ press the key【PLU】to save and exit.

29. Amount shift of the label (default value SP052=0)
SP051 0: do not shift; 1: right shift for 1 bit ; 2: right shift for 2 bits;
3: right shift for 3 bits; 4: left shift for 1 bit; 5: left shift for 2 bits;
6: left shift for 3 bits; 7: left shift for 4 bits

30. Detect stripping state under the automatic mode (default value SP053=1 (is detecting stripping state, which means remove one label and come out another label in printing) Detect stripping state under the automatic mode, the default value is SP053=0 (is not detecting stripping state, which means the labels come out continuously in printing, so that the function of putting the body paper outside the exit to print labels continuously can be realized).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【53X】, displays "R141 SP053 1 1" →Input【0 PRINT】, displays "R141 SP054 0 0"→ press the key【PLU】to save and exit.

31. Save transactions under the label mode (default value SP054=0 (do not save transactions)
Save transactions under the label mode, the default value is SP054=1 (is to save transactions).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【54X】, displays "R141 SP054 0 0" →Input【1 PRINT】, displays "R141 SP056 0 0"→ press the key【PLU】to save and exit.

32. Execute the printing task after the end of communication (default value SP056=0 (no, which means execute the printing task after the end of communication)
Execute the printing task after the end of communication, the default value is SP056=1 (yes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【56X】, displays "R141 SP056 0 0" →Input【1 PRINT】, displays "R141 SP057 1 1"→ press the key【PLU】to save and exit.

33. The maximum of communication task that be executed concurrently (default value SP057=1 (which means 1 task))
The maximum of communication task that be executed concurrently, the default value is SP057=2 (which means 2 tasks).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【57X】, displays "R141 SP057 1 1" →Input【2 PRINT】, displays "R141 SP058 1 1"→ press the key【PLU】to save and exit.

34. Automatically backup the main data base is allowed（need to restart） (default value SP058=1 (yes))
Automatically backup the main data base is allowed（need to restart）, the default value is SP058=0 (no).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【58X】, displays "R141 SP058 1 1" →Input【0 PRINT】, displays "R141 SP060 0 0"→ press the key【PLU】to save and exit.

35. No commodity printing is allowed (default value SP060=0 (which means no commodity printing is banned))
No commodity printing is allowed, the default value is SP060=1 (which means no commodity printing is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【60X】, displays "R141 SP060 0 0" →Input【1 PRINT】, displays "R141 SP061 0 0"→ press the key【PLU】to save and exit.

36. Automatic switching of weighed and non-weighed is allowed (default value SP061=0 (which means automatic switching of weighed and non-weighed is banned)
Automatic switching of weighed and non-weighed is allowed, the default value is SP061=1 which means automatic switching of weighed and non-weighed is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【61X】, displays "R141 SP061 0 0" →Input【1 PRINT】, displays "R141 SP062 0 0"→ press the key【PLU】to save and exit.

37. Modification of unit price is allowed (default value SP062=0 (which means modification of unit price is banned))
Modification of unit price is allowed, the default value is SP062=1(which means modification of unit price is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【62X】, displays "R141 SP062 0 0" →Input【1 PRINT】, displays "R141 SP066 0 0"→ press the key【PLU】to save and exit.

38. One key printing of commodities's shortcut keys (default value SP066=0 (which means one key printing of commodities's shortcut keys is banned))
One key printing of commodities's shortcut keys, the default value is SP066=1 (which means one key printing of commodities's shortcut keys is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【66X】, displays "R141 SP066 0 0" →Input【1 PRINT】, displays "R141 SP067 0 0"→ press the key【PLU】to save and exit.

39. Display unit price during commodity browsing (default value SP067=0(which means displaying unit price during commodity browsing is banned))
Display unit price during commodity browsing, the default value is SP067=1 (which means displaying unit price during commodity browsing is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【67X】, displays "R141 SP067 0 0" →Input【1 PRINT】, displays "R141 SP068 0 0"→ press the key【PLU】to save and exit.

40. Locking the last commodity is allowed (default value SP068=0 (which means locking the last commodity is banned))
Locking the last commodity is allowed, the default value is SP068=1 (which means locking the last commodity is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【68X】, displays "R141 SP068 0 0" →Input【1 PRINT】, displays "R141 SP069 0 0"→ press the key【PLU】to save and exit.

41. Not displaying total price when there is not any commodity (default value SP069=0 (which means displaying total price when there is not any commodity)
Not displaying total price when there is not any commodity, the default value is SP067=1 (which means not displaying total price when there is not any commodity).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【69X】, displays "R141 SP069 0 0" →Input【1 PRINT】, displays "R141 SP070 0 0"→ press the key【PLU】to save and exit.

42. Auto-exit under the failure of swiping value card (default value SP070=0 (which means no auto-exit under the failure of swiping value card)
Auto-exit under the failure of swiping value card, the default value is SP070=1 (which means auto-exit under the failure of swiping value card).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【70X】, displays "R141 SP070 0 0" →Input【1 PRINT】, displays "R141 SP071 0 0"→ press the key【PLU】to save and exit.

43. Automatically retrieve commodity (only for label printing) (default value SP071=0 (which means automatically retrieving commodity is banned)
Automatically retrieve commodity, the default value is SP071=1 (which means automatically retrieving commodity by inputting commodity ID).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【71X】, displays "R141 SP071 0 0" →Input【1 PRINT】, displays "R141 SP072 0 0"→ press the key【PLU】to save and exit.

44. Printing commodities's EAN bar code under the receipt mode (default value SP072=0 (which means printing commodities's EAN bar code under the receipt mode is banned)
Printing commodities's EAN bar code under the receipt mode, the default value is SP072=1 (which means printing commodities's EAN bar code under the receipt mode is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【72X】, displays "R141 SP072 0 0" →Input【1 PRINT】, displays "R141 SP073 0 0"→ press the key【PLU】to save and exit.

45. Starting using the function of retrieving commodity by using digit+shortcut key (default value SP073=0 (which means the function of retrieving commodity by using digit+shortcut key is banned)
Starting using the function of retrieving commodity by using digit+shortcut key, the default value is SP073=1 (which means starting using the function of retrieving commodity by using digit+shortcut key).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【73X】, displays "R141 SP073 0 0" →Input【1 PRINT】, displays "R141 SP120 0 0"→ press the key【PLU】to save and exit.

46. Printing mode of traceability data content (default value SP120=0 (which means not having printing mode of traceability data content)
Printing mode of traceability data content, the default value is SP120=1 (which means the traceability data content is printed in the mode of QR two-dimension code).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【120X】, displays "R141 SP120 0 0" →Input【1 PRINT】, displays "R141 SP121 0 0"→ press the key【PLU】to save and exit.

47. Printing the producing area (default value SP121=0 (which means printing the producing area is banned)
Printing the producing area, the default value is SP121=1 (which means printing the producing area is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【121X】, displays "R141 SP121 0 0" →Input【1 PRINT】, displays "R141 SP122 0 0"→ press the key【PLU】to save and exit.

48. Delaying loading the network (default value SP122=0 (which means not delaying loading the network)
Delaying loading the network, the default value is SP122=1 (which means delaying loading the network).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【122X】, displays "R141 SP122 0 0" →Input【1 PRINT】, displays "R141 SP123 10 10"→ press the key【PLU】to save and exit.

49. The time of delaying loading the network (1~60 minutes) (default value SP123=10 (which means 10 minutes)
The time of delaying loading the network (1~60 minutes), the default value is SP123=20 (which means 20 minutes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【123X】, displays "R141 SP123 10 10" →Input【20 PRINT】, displays "R141 SP124 1 1"→ press the key【PLU】to save and exit.

50. Interval of automatically reconnecting the WIFI (0~60 minutes) (default value SP124=1 (which means 1 minute)
Interval of automatically reconnecting the WIFI (0~60 minutes), the default value is SP124=2 (which means 2 minutes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【124X】, displays "R141 SP124 1 1" →Input【2 PRINT】, displays "R141 SP145 0 0"→ press the key【PLU】to save and exit.

51.Allowing using the key【subtotal】to execute the function of reading traceability code card (default value SP130=0 (which means using the key【subtotal】to execute the function of reading traceability code card is banned)
Allowing using the key【subtotal】to execute the function of reading traceability code card, the default value is SP130=1 (which means using the key【subtotal】to execute the function of reading traceability code card is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【130X】, displays "R141 SP130 0 0" →Input【1 PRINT】, displays "R141 SP131 0 0"→ press the key【PLU】to save and exit.

52.Allowing using the key【PRINT】to execute the function of wholesale sale and ignoring the information of writing card failure (default value SP131=0 (which means using the key【PRINT】to execute the function of wholesale sale and ignoring the information of writing card failure is banned)
Allowing using the key【PRINT】to execute the function of wholesale sale and ignoring the information of writing card failure, the default value is SP131=1 (which means using the key【PRINT】to execute the function of wholesale sale and ignoring the information of writing card failure is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【131X】, displays "R141 SP131 0 0" →Input【1 PRINT】, displays "R141 SP132 0 0"→ press the key【PLU】to save and exit.

53. Allowing using the key【F5】to execute the function of browsing (default value SP132=0 (which means using the key【F5】to execute the function of browsing is banned)
Allowing using the key【F5】to execute the function of browsing, the default value is SP132=1 (which means using the key【F5】to execute the function of browsing is allowed).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【132X】, displays "R141 SP132 0 0" →Input【1 PRINT】, displays "R141 SP138 1 1"→ press the key【PLU】to save and exit.

54. The printing format of the appearance traceability code (default value SP138=1 (which means printing the digits)
The printing format of the appearance traceability code, the default value is SP138=2 (which means printing the 128 code).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【138X】, displays "R141 SP138 1 1" →Input【2 PRINT】, displays "R141 SP145 0 0"→ press the key【PLU】to save and exit.

55. Adopting UCC-EAN128 code to print 18 bits bar code (default value SP145=0 (which means not adopting UCC-EAN128 code to print 18 bits bar code)
Adopting UCC-EAN128 code to print 18 bits bar code, the default value is SP145=1 (which means adopting UCC-EAN128 code to print 18 bits bar code).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【145 X】, displays "R141 SP145 0 0" →Input【1 PRINT】, displays "R141 SP150 0 0"→ press the key【PLU】to save and exit.

56. Start using the function of quota (default value SP150=0 (which means not start using the function of quota)
Start using the function of quota, the default value is SP150=1 (which means start using the function of quota).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【150X】, displays "R141 SP150 0 0" →Input【1 PRINT】, displays "R141 SP159 0 0"→ press the key【PLU】to save and exit.

57. Start using the traceability function of non-weighed commodities (default value SP159=0 (which means not start using the traceability function of non-weighed commodities)
Start using the traceability function of non-weighed commodities, the default value is SP159=1 (which means start using the traceability function of non-weighed commodities).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【159X】, displays "R141 SP159 0 0" →Input【1 PRINT】, displays "R141 SP160 0 0"→ press the key【PLU】to save and exit.

58. Start using the traceability function (default value SP160=0 (which means not start using the traceability function)
Start using the traceability function, the default value is SP160=1 (which means start using the traceability function).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【160X】, displays "R141 SP160 0 0" →Input【1 PRINT】, displays "R141 SP163 0 0"→ press the key【PLU】to save and exit.

59. Enforcement function (default value SP163=0 (which means no enforcement function)
Enforcement function, the default value is SP163=1 (which means recording with enforcement).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【163X】, displays "R141 SP163 0 0" →Input【1 PRINT】, displays "R141 SP164 0 0"→ press the key【PLU】to save and exit.

60. Receipts' format (default value SP164=0 (which means number 0 format)
Receipts' format, the default value is SP164=1 (which means number 1 format))
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【164X】, displays "R141 SP164 0 0" →Input【1 PRINT】, displays "R141 SP165 3 3"→ press the key【PLU】to save and exit.

61. Length of the traceability serial number (default value SP165=3 (bits)
Length of the traceability serial number, the default value is SP165=4 (bits).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【165X】, displays "R141 SP165 3 3" →Input【4 PRINT】, displays "R141 SP166 0 0"→ press the key【PLU】to save and exit.

62. Printing format of the appearance traceability number (default value SP166=0 (which means not printing))
Printing format of the appearance traceability number, the default value is SP166=1 (which means printing digits).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【166X】, displays "R141 SP166 0 0" →Input【1 PRINT】, displays "R141 SP167 0 0"→ press the key【PLU】to save and exit.

63. Printing format of the the inspection and quarantine code (default value SP167=0 (which means not printing))
Printing format of the the inspection and quarantine code, the default value is SP167=1 (which means printing digits).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【167X】, displays "R141 SP167 0 0" →Input【1 PRINT】, displays "R141 SP168 0 0"→ press the key【PLU】to save and exit.

64. Graph labelling of the receipt title (default value SP168=0 (which means number 0)
Graph labelling of the receipt title, the default value is SP168=1(which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【168X】, displays "R141 SP168 0 0" →Input【1 PRINT】, displays "R141 SP169 0 0"→ press the key【PLU】to save and exit.

65. Graph labelling of the receipt end (default value SP169=0 (which means number 0))
Graph labelling of the receipt end, the default value is SP169=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【169X】, displays "R141 SP169 0 0" →Input【1 PRINT】, displays "R141 SP170 0 0"→ press the key【PLU】to save and exit.

66. Copies of the automatic replication of receipt and label (default value SP170=0 (which means 0 copy))
Copies of the automatic replication of receipt and label, the default value is SP170=1 (which means 1 copy)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【170X】, displays "R141 SP170 0 0" →Input【1 PRINT】, displays "R141 SP171 0 0"→ press the key【PLU】to save and exit.

67. Driving of the card reader of traceability number (default value SP171=0 (which means number 0))
Driving of the card reader of traceability number, the default value is SP171=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【171X】, displays "R141 SP171 0 0" →Input【1 PRINT】, displays "R141 SP172 0 0"→ press the key【PLU】to save and exit.

68. Driving of the card reader of value card (default value SP172=0 (which means number 0))
Driving of the card reader of value card, the default value is SP172=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【172X】, displays "R141 SP172 0 0" →Input【1 PRINT】, displays "R141 SP173 0 0"→ press the key【PLU】to save and exit.

69. Print receipt and count bar codes (default value SP173=0 (which means not printing))
Print receipt and count bar codes, the default value is SP173=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【173X】, displays "R141 SP173 0 0" →Input【1 PRINT】, displays "R141 SP174 0 0"→ press the key【PLU】to save and exit.

70. Driving of the card reader of citizen card (default value SP174=0 (which means number 0))
Driving of the card reader of citizen card, the default value is SP174=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【174X】, displays "R141 SP174 0 0" →Input【1 PRINT】, displays "R141 SP175 0 0"→ press the key【PLU】to save and exit.

71. Data's automatic uploading mode (need to restart) (default value SP175=0 (which means number 0))
Data's automatic uploading mode, the default value is SP175=1 (which means number 1)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【175X】, displays "R141 SP175 0 0" →Input【1 PRINT】, displays "R141 SP176 0 0"→ press the key【PLU】to save and exit.

77. Interval of automatic uploading of data (need to restart)
(default value SP181=0 (in time))
Interval of automatic uploading of data, the default value is SP181=1 (which means 1 minute).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【181X】, displays "R141 SP181 0 0" →Input【1 PRINT】, displays "R141 SP200 0 0"→ press the key【PLU】to save and exit.

78. Only being able to enter SPEC141 frome Z mode (default value SP200=0 (no))
Only being able to enter SPEC141 frome Z mode, the default value is SP200=1 (yes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【200X】, displays "R141 SP200 0 0" →Input【1 PRINT】, displays "R141 SP220 0 0"→ press the key【PLU】to save and exit.

79. Computing method of bar codes' parity bits (default value SP220=0 (positive check))
Computing method of bar codes' parity bits, the default value is SP220=1 (conversion check).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【220X】, displays "R141 SP220 0 0" →Input【1 PRINT】, displays "R141 SP425 5 5"→ press the key【PLU】to save and exit.

80. Printing concentration (default value SP425=5) Printing concentration, the default value is SP425=6.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【425 X】, displays "R141 SP425 5 5" →Input【6 PRINT】, displays "R141 SP450 0 0"→ press the key【PLU】to save and exit.

81. The traceability mode when being compatible with 9B90 (default value SP450=0 (privileged mode))
The traceability mode when being compatible with 9B90, the default value is SP450=1 (sharing mode).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【450X】, displays "R141 SP450 0 0" →Input【1 PRINT】, displays "R141 SP480 3 3"→ press the key【PLU】to save and exit.

82. Speed of the network communication (default value SP480=3 (normal))
Speed of the network communication, the default value is SP480=4 (relatively quick).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【480 X】, displays "R141 SP480 3 3" →Input【4 PRINT】, displays "R141 SP490 0 0"→ press the key【PLU】to save and exit.

72. Barcode scanning gun's port (default value SP176=0 (which means number 0))
Barcode scanning gun's port, the default value is SP176=1 (which means number 1)).
Operation: the right hand hold the key 【ZERO】down, loose both hands after the left hand has pressed 【141】,displays "R141 SP001 21 21" →Input 【176X】, displays "R141 SP176 0 0" →Input【1 PRINT】, displays "R141 SP177 0 0"→ press the key 【PLU】to save and exit.

73. Automatically accumulating after having scanned the commodities (default value SP177=0 (which means not automatically accumulating after having scanned the commodities))
Automatically accumulating after having scanned the commodities, the default value is SP177=1 (which means automatically accumulating to F1 after having scanned the commodities)).
Operation: the right hand hold the key 【ZERO】down, loose both hands after the left hand has pressed 【141】,displays "R141 SP001 21 21" →Input 【177X】, displays "R141 SP177 0 0" →Input【1 PRINT】, displays "R141 SP178 0 0"→ press the key 【PLU】to save and exit.

74. Unit of measuremen for the weight of full volume calibration (default value SP178=0 (which means kg))
Unit of measuremen for the weight of full volume calibration, the default value is SP178=1 (which means g)).
Operation: the right hand hold the key 【ZERO】down, loose both hands after the left hand has pressed 【141】,displays "R141 SP001 21 21" →Input 【178X】, displays "R141 SP178 0 0" →Input【1 PRINT】, displays "R141 SP179 0 0"→ press the key 【PLU】to save and exit.

75. Unit of measuremen for unit price when there is not any adjustment of commodity (default value SP179=0 (which means Yuan/kg))
Unit of measuremen for unit price when there is not any adjustment of commodity, the default value is SP179=1 (which means Yuan/g)).
Operation: the right hand hold the key 【ZERO】down, loose both hands after the left hand has pressed 【141】,displays "R141 SP001 21 21" →Input 【179X】, displays "R141 SP179 0 0" →Input【1 PRINT】, displays "R141 SP180 0 0"→ press the key 【#】to save and exit.

76. Printing commodities' unit of measuremen for valuation and weight (default value SP180=0 (which means not printing commodities' unit of measuremen for valuation and weight))
Printing commodities' unit of measuremen for valuation and weight, the default value is SP180=1 (which means printing commodities' unit of measuremen for valuation and weight).
Operation: the right hand hold the key 【ZERO】down, loose both hands after the left hand has pressed 【141】,displays "R141 SP001 21 21" →Input 【180X】, displays "R141 SP180 0 0" →Input【1 PRINT】, displays "R141 SP181 3 3"→ press the key 【PLU】to save and exit.

83. Color theme (need to restart) (default value SP489=0 (pure black))
Color theme (need to restart) the default value is SP489=1 (gradient sapphire blue).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【489 X】, displays "R141 SP489 0 0" →Input【1 PRINT】, displays "R141 SP490 0 0"→ press the key【PLU】to save and exit.

84. Languages (default value SP490=0 (simplified Chinese))
Languages' default value is SP490=1（English）.
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【490 X】, displays "R141 SP490 0 0" →Input【1 PRINT】, displays "R141 SP491 0 0"→ press the key【PLU】to save and exit.

85. Recording Live log (record once every 5 seconds) (default value SP491=0 (do not record Live log))
Recording Live log (record once every 5 seconds), the default value is SP491=1 (record Live log (record once every 5 seconds)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【491 X】, displays "R141 SP491 0 0" →Input【1 PRINT】, displays "R141 SP492 0 0"→ press the key【PLU】to save and exit.

86. Electronic scale and printer type (default value SP492=0 (automatic inspection))
Electronic scale and printer type, the default value is SP492=1 (label scale (without printer)).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【492 X】, displays "R141 SP492 0 0" →Input【1 PRINT】, displays "R141 SP498 0 0"→ press the key【PLU】to save and exit.

87. Display P mode (default value SP498=0 (no))Display P mode, the default value is SP498=1 (yes).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【498 X】, displays "R141 SP498 0 0" →Input【1PRINT】, displays "R141 SP499 5000 5000"→ press the key【PLU】to save and exit.

88. The maximum saved transaction items (default value SP499=5000 (items))
The maximum saved transaction items, the default value is SP499=10000 (items).
Operation: the right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【141】,displays "R141 SP001 21 21" →Input【499 X】, displays "R141 SP499 5000 5000" →Input【10000 PRINT】, displays "R141 SP001 21 21"→ press the key【PLU】to save and exit.

89. Treatment methods of the weighed items' cent to Jiao (default value SP506=0 (do not handle))
Treatment methods of the weighed items' cent to Jiao, the default value is SP506=1 (rounding).
Operation: the right hand hold the key【ZERO】down, the left hand press【1013】, loose both hands ,displays "0.000 0.000 0.00 0.00" →the right hand hold the key【zero setting】down, the left hand press【142】, loose both hands ,displays "R142 SP500 1 1"
→ Press【506 X】, displays "R142 SP506 0 0" →Press【1 PRINT】, displays "R142 SP507 0 0"→ press the key【PLU】to save and exit.

90. Printing the minimum weight value (default value SP512=40)
Printing the minimum weight value, the default value is SP512=0.
Operation: the right hand hold the key【ZERO】down, the left hand press【1013】, loose both hands ,displays "0.000 0.000 0.00 0.00" →the right hand hold the key【zero setting】down, the left hand press【142】, loose both hands ,displays "R142 SP500 1 1"
→ Press【512 X】, displays "R142 SP512 40 40" →Press【0 PRINT】, displays "R142 SP513 0 0"→ press the key【PLU】to save and exit.

IX. Function keys

1. The function keys of store names
Assign store name function keys on the shortcut keys to realize using labels to print different numbers of the store names.
Press the key【MODE】twice, displays"S1 EDIT PLU" →press【13 X】,displays "S13 EDIT 13 FUNCKEY" →
Press【PRINT】, displays"S13.0 FC.002 0 DISCAMT" →press the key【-】,select displays"S13.39 FC.153 0 SHOPNO" →
Press【shortcut key】,assign store name function keys to the shortcut keys,displays "S13.40 FC.155 0 NETAMT" →
Press【PLU】to save, displays "S13 EDIT 13 FUNCKEY" →press【FEED】to exit.

2. Start the function keys of silver box
Assign silver box function keys on the shortcut keys to realize opening the silver box without printing label.
Press the key【MODE】twice, displays"S1 EDIT PLU" →press【13 X】,displays "S13 EDIT 13 FUNCKEY" →
Press【PRINT】, displays"S13.0 FC.002 0 DISCAMT" →press the key【-】,select displays"S13.38 FC.152 0 DRAWER" →
Press【shortcut key】,assign silver box function keys to the shortcut keys,displays "S13.39 FC.153 1 SHOPNO " →
Press【PLU】to save, displays "S13 EDIT 13 FUNCKEY" →press【FEED】to exit.

3. The function keys of goods returning

Assign goods returning function keys on the shortcut keys to realize the operation of returning goods.

Press the key【MODE】twice, displays“S1 EDIT PLU” →press【13 X】,displays “S13 EDIT 13 FUNCKEY” →

Press【PRINT】, displays“S13.0 FC.002 0 DISCAMT” →press the key【-】,select displays“S13.35 FC.107 0 SALBACK” →

Press【shortcut key】,assign goods returning function keys to the shortcut keys,displays “S13.36 FC.150 0 TRCCARD ” →

Press【PLU】to save, displays “S13 EDIT 13 FUNCKEY” →press【FEED】to exit.

4. The function keys of cash

Assign cash function keys on the shortcut keys to realize the operation of cash.

Press the key【MODE】twice, displays“S1 EDIT PLU” →press【13 X】,displays “S13 EDIT 13 FUNCKEY” →

Press【PRINT】, displays“S13.0 FC.002 0 DISCAMT” →press the key【-】,select displays“S13.33 FC.105 0 CASH” →

Press【shortcut key】,assign cash function keys to the shortcut keys,displays “S13.34 FC.106 0 PREPAID ” →

Press【PLU】to save, displays “S13 EDIT 13 FUNCKEY” →press【FEED】to exit.

5. The function keys of reprinting

Assign reprinting function keys on the shortcut keys to realize the reprinting of labels.

Press the key【MODE】twice, displays“S1 EDIT PLU” →press【13 X】,displays “S13 EDIT 13 FUNCKEY” →

Press【PRINT】, displays“S13.0 FC.002 0 DISCAMT” →press the key【-】,select , displays“S13.32 FC.104 0 REPRINT” →

Press【shortcut key】,assign reprinting function keys to the shortcut keys,displays “S13.33 FC.105 0 CASH ” →

Press【PLU】to save, displays “S13 EDIT 13 FUNCKEY” →press【FFED】to exit.

6. The function keys of commodity prices’ modification

Assign commodity prices’ modification function keys on the shortcut keys to realize calling out commodities, modifying unit price, and directly being saved in commidities.

Press the key【MODE】twice, displays“S1 EDIT PLU” →press【13 X】,displays “S13 EDIT 13 FUNCKEY” →

Press【PRINT】, displays“S13.0 FC.002 0 DISCAMT” →press the key【-】,select displays“S13.27 FC.098 0 NEWPRC” →

Press【shortcut key】,assign commodity prices’ modification function keys to the shortcut keys,displays “S13.28 FC.100 0 TRCLIST ” →

Press【PLU】to save, displays “S13 EDIT 13 FUNCKEY” →press【FEED】to exit.

X. Calibration

1. Open the seitch of calibration: remove the lead sealing at the bottom, unscrew the lead sealed screws inboard.
Use slender rod or toothpick to stretch into the lead sealed screw hole, push up upward the switch of the calibration,displays “SPAN SW ON”, and open the calibration switch.

2.The right hand hold the key【ZERO】down, the left hand press【9811】, loose both hands ,displays “CALL F.C. 15.000”.

3. Input the existing weight value, such as 5.000kg. input【5000】, displays “CALL F.C. 5.000”, press the key【PRINT】.

4. Display “CAL 00”, and prepare the zero calibration. The scale is at zero state, adjust the four feet, make the spirit bubble in a horizontal position, press the key【PRINT】, display “ - - - - - - ”, and waite.

5.Display“CAL SP 5.000”, put the 5.000kg weight on the weighing platform, waite for 10 seconds, press the key【PRINT】,
displays “ - - - - - - ”, waite, and display “0.000 5.000 0.00 0.00”.

6. End of the calibration.

XI. Settings of label sensor, stripping sensor and the starting point of printing

1.Setting of the label sensor
The right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【113】,display“P01 EDIT 0 GAP_SOR”,
Print【PRINT】,displays“P01.1 EDIT 0 XX”, check the median of the label/body paper and the body paper, and input this median.
Print【PRINT】, and print【PLU】.

2.Setting of the stripping sensor
The right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【113】,display“P01 EDIT 0 GAP_SOR”,
Print【X】,displays“P02 EDIT 100 RMO_SOR”,
Print【PRINT】,displays“P02.1 EDIT 100 XX”, check the median of having label and not having label, and input this median.
Print【PRINT】, and print【PLU】.

3. Setting of the starting point of printing
The right hand hold the key【ZERO】down, loose both hands after the left hand has pressed【113】,display“P01 EDIT 0 GAP_SOR”,
Print【X X】,displays“P03 EDIT 64 START”,1mm==8dot, 64dot=8mm,
Print【PRINT】,displays“P03.1 EDIT 64 START”, input the starting point of printing’s value,
Print【PRINT】, and print【PLU】.

XII. Commmunication Settings

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1. The right hand hold the key【ZERO】down, the left hand press【1 1 2】, and loose both hands .Displays “H01 EDIT SCALE INDEX”.
2. Notice: press the key【X】, move downward; press the key【-】, move upward. Press the key【PRINT】, enter,
3. Machine number: press the key【PRINT】, displays “H01.1 EDIT 16 INDEX”, input the machine number, and press the key【PRINT】.
4. Mac address of the ETHO network card: display “H02 EDIT ETHO MAC”,
   Press the key【PRINT】, displays “H02.1 EDIT 32 MAC”, input the 1st segment;
   Press the key【PRINT】, displays “H02.2 EDIT 0 MAC”, input the 2nd segment;
   Press the key【PRINT】, displays “H02.3 EDIT 0 MAC”, input the 3rd segment;
   Press the key【PRINT】, displays “H02.4 EDIT 0 MAC”, input the 4th segment;
   Press the key【PRINT】, displays “H02.5 EDIT 0 MAC C”, input the 5th segment;
   Press the key【PRINT】, displays “H02.6 EDIT 0 MAC”, input the 6th segment; and press the key【PRINT】.
5. IP address of the ETHO network card: display “H03 EDIT ETHO IP”,
   Press the key【PRINT】, displays “H03.1 EDIT 192 IP”, input the 1st segment;
   Press the key【PRINT】, displays “H03.2 EDIT 168 IP”, input the 2nd segment;
   Press the key【PRINT】, displays “H03.3 EDIT 0 IP”, input the 3rd segment;
   Press the key【PRINT】, displays “H03.4 EDIT 16 IP”, input the 4th segment; and press the key【PRINT】.
6. Subnet mask of the ETHO network card: display “H04 EDIT ETHO MASK”,
   Press the key【PRINT】, displays “H04.1 EDIT 255 MASK”, input the 1st segment;
   Press the key【PRINT】, displays “H04.2 EDIT 255 MASK”, input the 2nd segment;
   Press the key【PRINT】, displays “H04.3 EDIT 255 MASK”, input the 3rd segment;
   Press the key【PRINT】, displays “H04.4 EDIT 0 MASK”, input the 4th segment; and press the key【PRINT】.
7. The default gatewayof the ETHO network card: display “H05 EDIT ETHO GATEWAY”,
   Press the key【PRINT】, displays “H05.1 EDIT 192 GATEWAY”, input the 1st segment;
   Press the key【PRINT】, displays “H05.2 EDIT 168 GATEWAY”, input the 2nd segment;
   Press the key【PRINT】, displays “H05.3 EDIT 1 GATEWAY”, input the 3rd segment;
   Press the key【PRINT】, displays “H05.4 EDIT 1 GATEWAY”, input the 4th segment; and press the key【PRINT】.
8. DNS of the ETHO network card: display “H06 EDIT ETH0 DNS”,
   Press the key【PRINT】, displays “H06.1 EDIT 192 DNS”, input the 1st segment;
   Press the key【PRINT】, displays “H06.2 EDIT 168 DNS”, input the 2nd segment;
   Press the key【PRINT】, displays “H06.3 EDIT 1 DNS”, input the 3rd segment;
   Press the key【PRINT】, displays “H06.4 EDIT 1 DNS”, input the 4th segment; and press the key【PRINT】.

9. IP address of the server which initiatively upload the data: display "H07 EDIT UPLOAD IP",
Press the key【PRINT】, displays "H07.1 EDIT 0 IP", input the 1st segment;
Press the key【PRINT】, displays "H07.2 EDIT 0 IP", input the 2nd segment;
Press the key【PRINT】, displays "H07.3 EDIT 0 IP", input the 3rd segment;
Press the key【PRINT】, displays "H07.4 EDIT 0 IP", input the 4th segment; and press the key【PRINT】.

10. Port number of the server which initiatively upload the data: displays "H08 EDIT UPLOAD PORT",
Press the key【PRINT】, displays "H08.1 EDIT 0 PORT", input the port number; and press the key【PRINT】.

11. IP address of the server which initiatively download the data: display "H09 EDIT DOWNLD IP",
Press the key【PRINT】, displays "H09.1 EDIT 0 IP", input the 1st segment;
Press the key【PRINT】, displays "H09.2 EDIT 0 IP", input the 2nd segment;
Press the key【PRINT】, displays "H09.3 EDIT 0 IP", input the 3rd segment;
Press the key【PRINT】, displays "H09.4 EDIT 0 IP", input the 4th segment; and press the key【PRINT】.

12. Port number of the server which initiatively download the data: displays "H10 EDIT DOWNLD PORT",
Press the key【PRINT】, displays "H10.1 EDIT 0 PORT", input the port number; and press the key【PRINT】.

13. IP address of WIFI network card: display "H11 EDIT WIFI IP",
Press the key【PRINT】, displays "H11.1 EDIT 192 IP", input the 1st segment;
Press the key【PRINT】, displays "H11.2 EDIT 168 IP", input the 2nd segment;
Press the key【PRINT】, displays "H11.3 EDIT 1 IP", input the 3rd segment;
Press the key【PRINT】, displays "H11.4 EDIT 16 IP", input the 4th segment; and press the key【PRINT】.

14. Subnet mask of the WIFI network card: display "H12 EDIT WIFI MASK",
Press the key【PRINT】, displays "H12.1 EDIT 255 MASK", input the 1st segment;
Press the key【PRINT】, displays "H12.2 EDIT 255 MASK", input the 2nd segment;
Press the key【PRINT】, displays "H12.3 EDIT 255 MASK", input the 3rd segment;
Press the key【PRINT】, displays "H12.4 EDIT 0 MASK", input the 4th segment; and press the key【PRINT】.

15. Default gateway of the WIFI network card: display "H13 EDIT WIFI GATEWAY",
Press the key【PRINT】, displays "H13.1 EDIT 192 GATEWAY", input the 1st segment;
Press the key【PRINT】, displays "H13.2 EDIT 168 GATEWAY", input the 2nd segment;
Press the key【PRINT】, displays "H13.3 EDIT 0 GATEWAY", input the 3rd segment;
Press the key【PRINT】, displays "H13.4 EDIT 1 GATEWAY", input the 4th segment; and press the key【PRINT】.

16. DNS of the WIFI network card: display "H14 EDIT WIFI DNS",
Press the key【PRINT】, displays "H14.1 EDIT 192 DNS", input the 1st segment;
Press the key【PRINT】, displays "H14.2 EDIT 168 DNS", input the 2nd segment;
Press the key【PRINT】, displays "H14.3 EDIT 1 DNS", input the 3rd segment;
Press the key【PRINT】, displays "H14.4 EDIT 1 DNS", input the 4th segment; and press the key【PRINT】.

17. The SSID of WIFI's AP: display"H15 EDIT WIFI NODE",
Mothod Ⅰ:press the key【PRINT】,display "H15.1 EDIT NODE",input SSID; press the key【PRINT】.
Mothod Ⅱ: press the key【PRINT】,display "H15.1 EDIT NODE",press the key" browsing", press the key【X】to look for the AP's SSID, press the key【PRINT】to confirm; press the key【PRINT】.

18. The password of WIFI's AP: display"H16 EDIT WIFI PASWORD",
Press the key【PRINT】,display "H16.1 EDIT PASWORD",input the password; press the key【PRINT】.

19. The authentication method of WIFI's AP: display"H17 EDIT WIFI AUMODE",
Press the key【PRINT】,display "H17.1 EDIT AUMODE",input the authentication method; press the key【PRINT】.

20. The encryption scheme of WIFI's AP: display"H18 EDIT WIFI PRIVACY",
Press the key【PRINT】,display "H18.1 EDIT PRIVACY",input the encryption scheme; press the key【PRINT】.

21. The key index of WIFI's AP: display"H19 EDIT WIFI KEYINDX",
Press the key【PRINT】,display "H19.1 EDIT 0 KEYINDX",input the key index; press the key【PRINT】.

22. Vendor number: display"H20 EDIT STALL ID",
Press the key【PRINT】,display "H20.1 EDIT ID",input the vendor number; press the key【PRINT】.

23. Booth number: display"H21 EDIT STALL NO",
Press the key【PRINT】,display "H21.1 EDIT NO",input the booth number; press the key【PRINT】.

24. License number of the operator: display"H22 EDIT STALL BANO",
Press the key【PRINT】,display "H22.1 EDIT BANO",input the license number of the operator; press the key【PRINT】.

25. Identity card of the operator: display"H23 EDIT STALL IDNO",
Press the key【PRINT】,display "H23.1 EDIT IDNO",input the identity card of the operator; press the key【PRINT】.

26. Telephone number of the operator: display"H24 EDIT STALL PHONE",
Press the key【PRINT】,display "H24.1 EDIT PHONE",input the telephone number of the operator; press the key【PRINT】.

27. Market number: display"H25 EDIT MARKET INDEX",
Press the key【PRINT】,display "H25.1 EDIT INDEX",input the market number; press the key【PRINT】.

28. Market name: display"H26 EDIT MARKET NAME",
Press the key【PRINT】,display "H26.1 EDIT NAME",input the market name; press the key【PRINT】.

29. Market node number: display"H27 EDIT NODE INDEX",
Press the key【PRINT】,display "H27.1 EDIT INDEX",input the market node number; press the key【PRINT】.

30. Market node name: display"H28 EDIT NODE NAME",
Press the key【PRINT】,display "H28.1 EDIT NAME",input the market node name ; press the key【PRINT】.

31. Download the upgrade package's IP address from the INTERNET : display "H29 EDIT UPGRAD IP",
Press the key【PRINT】, displays "H29.1 EDIT 140 IP", input the 1st segment;
Press the key【PRINT】, displays "H29.2 EDIT 207 IP", input the 2nd segment;
Press the key【PRINT】, displays "H29.3 EDIT 0 IP", input the 3rd segment;
Press the key【PRINT】, displays "H29.4 EDIT 74 IP", input the 4th segment; and press the key【PRINT】.

32. Communication code: display"H30 EDIT CC CODE",
Press the key【PRINT】,display "H30.1 EDIT 0 CODE",input the communication code; press the key【PRINT】.

33. Initialize the network parameter from the USB flash disk: display "H31 EDIT INIT FROMUSB",
Press the key【PRINT】,display "H31.1 EDIT 0 FROMUSB",input the network parameter initialized from the USB flash disk; press the key【PLU】.

34. WEBSERVICE URL address: display"H32 EDIT WEBSVC URL",
Press the key【PRINT】,display "H32.1 EDIT URL",input the WEBSERVICE URL address; press the key【PRINT】.

35. Save, and press the key【PLU】.

XIII. SPEC list

001	The weighed commodity's F1F2 default value			
21	21			
002	The non-weighed commodity's F1F2 default value			
24	24			
003	Format of the weighed bar code			
0	0	2F5C5XS	1	1F6C5XS
	2	2F10CS	3	2F5C5P5XS
	4	2F5C5X5PS	5	1F6C5P5XS
	6	1F6C5X5PS	7	2F4C6XS
	8	1F4C7XS	9	1F5C6XS
	10	2F4C5X6PS	11	2F4C6P5XS
	12	1F5C5X6PS	13	1F5C6P5XS
	14	None	15	UDF1
	16	UDF2	17	UDF3
	18	UDF4	19	UDF5
	20	UDF6		

004	Format of the non-weighed bar code			
0	0	2F5C5XS	1	1F6C5XS
	2	2F10CS	3	2F5C5P5XS
	4	2F5C5X5PS	5	1F6C5P5XS
	6	1F6C5X5PS	7	2F4C6XS
	8	1F4C7XS	9	1F5C6XS
	10	2F4C5X6PS	11	2F4C6P5XS
	12	1F5C5X6PS	13	1F5C6P5XS
	14	None	15	UDF1
	16	UDF2	17	UDF3
	18	UDF4	19	UDF5
	20	UDF6		
005	Type of the weighed bar code			
2	0	Weight	1	Number
	2	Amount		
006	Type of the non-weighed bar code			
2	0	Weight	1	Number
	2	Amount		
007	Adopt the store name text font in the label format			
0	0	no	1	yes
008	Adopt the bar code setting defined in SPEC			
0	0	no	1	yes
010	Support lauch by swiping card			
0	0	no	1	yes
011	PLUNO‘s formatting length in label printing			
6	6			
024	Silver box‘s opening of delay			
0	0	controlled by hardware	1	40 millisecond
	2	80 millisecond	3	120 millisecond

	4 160 millisecond		5 200 millisecond	
	6 240 millisecond		7 280 millisecond	
	8 320 millisecond		9 360 millisecond	
029	Setting of the screen luminance			
2	0	dark	1	relavively dark
	2	normal	3	relavively bright
	4	bright		
030	The screen darkens after the system idle time has reached a certain seconds			
0	0			
031	Turn the screen off after the system idle time has reached a certain seconds			
0	0			
032	The printer automatically sleep after the idle time has reached a certain seconds			
60	60			
033	A utomatically detect if the printer is out of paper			
1	0	no	1	yes
040	The upper limit of the allowance amount			
1.0000	1.0000			
041	The upper limit of the discount rate			
50	50			
042	Print the original price under the receipt mode			
1	0	no	1	yes
043	Allow the sales promotion function of the commodities			
1	0	no	1	yes
044	The allowance function is allowed			
1	0	no	1	yes
045	The discount function is allowed			
1	0	no	1	yes

046	Do not print label when the amount of the label overflows			
1	0	no	1	yes
047	Open the silver box when printing the label			
0	0	no	1	yes
048	The default label format			
0	0 stands for specific label format for the selected commodities, 1～32 stands for the corresponding label format derectly adopted			
049	The store name printed on the label			
1	1～32			
050	Weight shift of the label			
0	0	not shift	1	right shift for 1 bit
	2	right shift for 2 bits	3	right shift for 3 bits
	4	left shift for 1 bit	5	left shift for 2 bits
	6	left shift for 3 bits	7	left shift for 4 bits
051	Weight shift of the label			
0	0	not shift	1	right shift for 1 bit
	2	right shift for 2 bits	3	right shift for 3 bits
	4	left shift for 1 bit	5	left shift for 2 bits
	6	left shift for 3 bits	7	left shift for 4 bits
052	Weight shift of the label			
0	0	not shift	1	right shift for 1 bit
	2	right shift for 2 bits	3	right shift for 3 bits
	4	left shift for 1 bit	5	left shift for 2 bits
	6	left shift for 3 bits	7	left shift for 4 bits
053	Detect stripping state under the automatic mode			
1	0	no	1	yes
054	Save transactions under the label mode as well			
0	0	no	1	yes
056	Execute the printing task after the end of communication			

0	0	no	1	yes
057	The maximum of communication task that be executed concurrently			
1	1			
058	Automatically backup the main data base is allowed (need to restart)			
1	0	no	1	yes
060	No commodity printing is allowed			
0	0	no	1	yes
061	Automatic switching of weighed and non-weighed is allowed			
0	0	no	1	yes
062	Modification of unit price is allowed			
1	0	no	1	yes
066	One key printing of commodities's shortcut keys			
0	0	no	1	yes
067	Display unit price during commodity browsing			
0	0	no	1	yes
068	Locking the last commodity is allowed			
0	0	no	1	yes
069	Not displaying total price when there is not any commodity			
0	0	no	1	yes
070	Auto-exit under the failure of swiping value card			
0	0	no	1	yes
071	Automatically retrieve commodity(only for label printing)			
0	0	no	1	yes
072	Printing commodities's EAN bar code under the receipt mode			
0	0	no	1	yes
073	Starting using the function of retrieving commodity by using digit+shortcut key			
0	0	no	1	yes

120	Printing mode of traceability data content			
0	0	no	1	printed as QR two-dimension code
121	Printing the producing area			
1	0	no	1	yes
122	Delaying loading the network			
0	0	no	1	yes
123	The time of delaying loading the network (1~60 minutes)			
10	10			
124	Interval of automatically reconnecting the WIFI (0~60 minutes)			
1	1			
130	Allowing using the key 【CHANGE】to execute the function of reading traceability code card			
0	0	no	1	yes
131	Allowing using the key 【PRINT】to execute the function of wholesale sale and ignoring the information of writing card failure			
0	0	no	1	yes
132	Allowing using the key 【F5】to execute the function of browsing			
0	0	no	1	yes
138	The printing format of the appearance traceability code			
0	0	not printing	1	printing the digits
	2	printed as the 128 code	3	printed as QR two-dimension code
145	Adopting UCC-EAN128 code to print 18 bits bar code			
0	0	no	1	yes
150	Start using the function of quota			
0	0	no	1	yes
159	Start using the traceability function of non-weighed commodities			
0	0	no	1	yes
160	Start using the traceability function			

0	0	no	1	yes
163	Enforcement function			
0	0	no enforcement function	1	recording with enforcement
	2	printing with enforcement and recording with enforcement	3	payment with enforcement, printing with enforcement and recording with enforcement
	4	recording with enforcement but not printing		
164	Receipts' format			
0	0	Default	1	SZSM
	2	LC	3	ZKR
	4	HRH		
165	Length of the traceability serial number			
3	3			
166	Printing format of the appearance traceability number			
0	0	not printing	1	printing the digits
	2	printed as the 128 code	3	printed as QR two-dimension code
167	Printing format of the the inspection and quarantine code			
0	0	not printing	1	printing the digits
	2	printed as the 128 code		printed as QR two-dimension code
168	Graph labelling of the receipt title			
0	0			
169	Graph labelling of the receipt title			
0	0			
170	Copies of the automatic replication of receipt and label			
0	0			
171	Driving of the card reader of traceability number			
0	0	SQ-ZM703(CPU)	1	SQ-ZM701（S50）
	2	SQ-ZM703（M1）	3	LC-ZM703（CPU）

	4	ZKR-ZM703 (S70)	5	BY-ZM703 (CPU)
	6	DR-ZM703 (CPU)	7	SQ-ZMS50 (S50WH)
172	Driving of the card reader of value card			
0	0	MDS		
173	Print receipt and count bar codes			
0	0	NoPrint	1	TZ
	2	HFWC		
174	Driving of the card reader of citizen card			
0	0	CZ-ZM703(CPU)		
175	Data’s automatic uploading mode			
0	0	None	1	SQ-QD
	2	LC-JN	3	DR-SJZ
	4	DB	5	SQ-QL
176	Barcode scanning gun’s port			
0	0	None	1	COM3
	2	COM5	3	COM6
177	Automatically accumulating after having scanned the commodities			
0	0	None	1	F1
	2	F2	3	F3
	4	F4	5	F5
178	Unit of measuremen for the weight of full volume calibration			
0	0	Kg	1	g
	2	t	3	Lb
179	Unit of measuremen for unit price when there is not any adjustment of commodity			
0	0	Yuan/ Kg	1	Yuan/ g
	2	Yuan/10g	3	Yuan/100g
	4	Yuan/500g	5	Yuan/ t
	6	Yuan/ lb		

180	Printing commodities' unit of measuremen for valuation and weight			
0	0	no	1	yes
181	Interval of automatic uploading of data			
0	0	in time	1	1 minute
	2	10 minutes	3	30 minutes
	4	60 minutes		
200	Only being able to enter SPEC141 frome Z mode			
0	0	no	1	yes
220	Computing method of bar codes' parity bits			
0	0	positive check	1	conversion check
425	Printing concentration			
5	0	light（1）	1	light（2）
	2	light（3）	3	light（4）
	4	light（5）	5	medium
	6	dark（1）	7	dark（2）
	8	dark（3）	9	dark（4）
450	The traceability mode when being compatible with 9B90			
0	0	privileged mode	1	sharing mode
480	Speed of the network communication			
0	0	slowest	1	slow
	2	relatively slow	3	normal
	4	relatively quick	5	quick
	6	quickest		
489	Color theme (need to restart)			
0	0	pure black	1	gradient sapphire blue
490	Languages			

0	0	simplified Chinese	1	English
491	Recording Live log (record once every 5 seconds)			
0	0	no	1	yes
492	Electronic scale and printer type			
0	0	automatic inspection	1	label scale (without printer)
	2	receipt scale (without printer)		
498	Display P mode			
0	0	no	1	yes
499	The maximum saved transaction items			
5000	5000			

BCS-100PE Series

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