

Price Computing Label Printing
Scale User Manual

Foreword

Thank you for purchasing our electronic barcode scales, before using this product, please read this instruction manual carefully, and according to the instructions in specification, and to ensure that you can safely, accurately and quickly master the use of this product.

please keep this manual for future reference or use.

Because product upgrading or improved, the partial contents of this manual may not apply to you for what you have to buy the equipment, please you will be subject to actual purchase products, the company reserves without notice in your case, according to the actual need to improve and upgrade the power of our products at any time.

Please after buying the product, in a timely manner to open the packing cases, check the box parts are consistent with the listed in the packing list, if any missing or defective product, please contact you upgrade the dealer immediately.

Special Requirement:

In order to make the scale work more stable, please make sure that the input power with a reliable ground!

Safety Precautions

precautions

- Please ensure the scale has been placed on a is level, strong and stable platform, otherwise may cause the equipment to fall, cause equipment damage, or even cause a fire or electric shock hazard.
- Don't put the scale in the bad environment, otherwise it will affect the normal use and shorten the scale service life
 1. Moisture, dust, heat, cold, vibration environment;
 2. Direct sunshine, strong magnetic field, strong electric field, and high pressure or close to the motor or other will produce high temperature and high pressure environment.
- Don't bent power cord sharply, power cord should not be placed in easy be trampled place, don't put heavy object on the power cord, otherwise it may cause power cord damage or even cause a fire or electric shock hazard

- Please grasp the insulated head of power cord to pull out plug from socket. Forced to pull the power cord may damage the power cord and scale, even may cause a fire or electric shock hazard

- Don't touch the power cord with wet hands, , otherwise it may lead to the risk of electric shock.

- Don't put conductive objects or liquid nearby the scale, to prevent the conductive objects or liquid into scale body to avoid cause equipment damage, or even cause a fire or electric shock hazard

- Don't wipe scale and power cord with wet cloth

- Don't use the damaged power socket or power cord, don't attempt to repair them. Continue to use the damaged power socket or power cord, may lead to the danger of short circuit, electric shock, or even a fire

- This product allows the input power supply voltage range is: ac 200 v ~ 240 v / 50 hz. Beyond its range will cause equipment damage, or even cause a fire or electric shock hazard.

- Please keep the power plug tight, loose the power plug could lead to electric shock, and even a fire danger

When using the barcode scales

- When you smell smoke coke or strange smell, or any other abnormal situation occurs, please turn it off immediately and pull the plug. If continue to use may cause a fire and electrical shock

- To avoid any foreign objects into the barcode scales. Once inside, please turn it off immediately and the power cord plugs. If continue to use may cause short circuit, the danger of fire and electric shock

- Once the barcode scales because of falling accident, please unplug the power cord plug immediately cut off power supply. If continue to use may cause short circuit, the danger of fire and electric shock

- In order to prevent the risk of electric shock and cause further damage or the equipment, In any case do not disassemble the equipment or maintain equipment without permission.,.

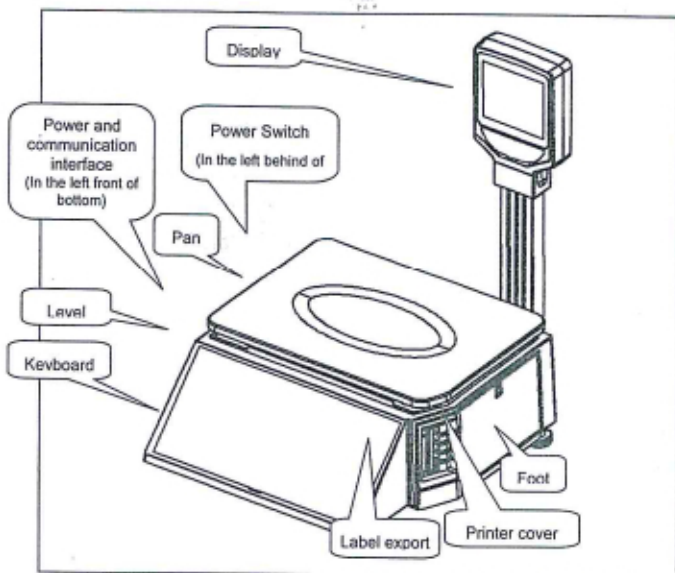
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1. Summarize

1.1 Structure and appearance



Structure

1.2 Display

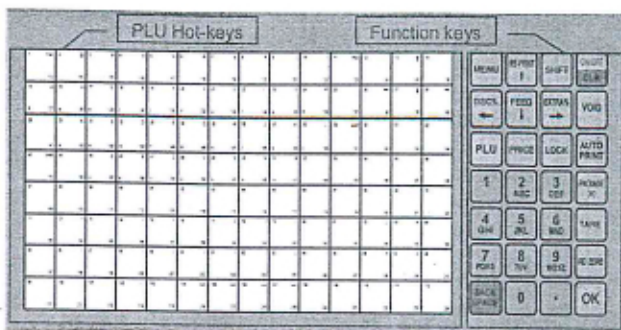
1.2.1. Display Model

Model Number	Display
YT	320x240 dot matrix, color TFT LCD
YD	128x64 dot matrix, mono color, FSTN LCD
YE	6/6/6/6 digits, LED
LE	5/5/8/8 digits, LED
LD	128x32 dot matrix, mono color, FSTN LCD

1.2.2. Status Indicators

1. AUTO: Display when in automatic printing status.
2. LOCK: Display when the current commodity is in locked status.
3. UNIT: Units of measurement (Display weight unit (e.g.: kg, g, lb) when selling by weight, display "pcs" when in selling by package.)
4. ZERO: Display when scale in "zero" status (the weight is zero).
5. STABLE: Display when scale weighing in stable status.
6. TARE: Display when you pressed [TARE] key to remove tare.
7. SHIFT: Display when you pressed [SHIFT] key.

1.3 Standard keyboard layout



- 10000 PLUs storage capacity and PLU data can be modified easily.
- 224 (112×2) PLU hot-keys can be edited and makes sales operation more quickly.
- Printing parameters and label code setting can be easily edited.
- Label code format designation is convenient.
- Label printing quantity and sales amount can be sorted by PLU code.
- Multiple discount modes available. Amount before and after discount shown.
- Easy communication in two network ways: RS-232 and LAN (Ethernet).

Programming and setting can be done in computer and then uploaded to scale via RS-232 port or LAN (Ethernet) port.

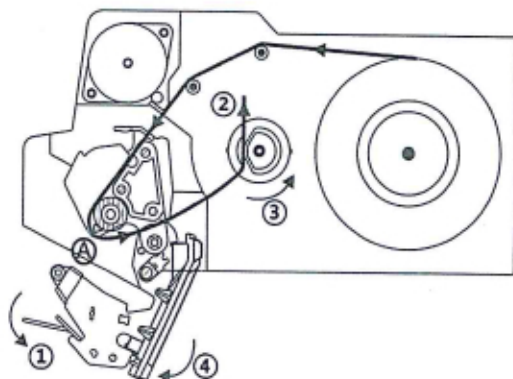
1.4 Key Parameters

ITEM	PARAMETERS
Precision	1/3000 F. S
Weighing scope	0-6Kg-15Kg or 0-15-30Kg
Weighing Resolution	2/5g or 5/10g
Storage Capacity	10,000 PLUs
Display	Green backlighting segment code LCD screens - Peel: 6 figures - Weight: 6 figures - Unit price: 8 figures - Total price: 8 figures
Keyboard	140keys (112×2=224 PLU Hotkeys, 28 Function keys)
Printing feature	Printing Method: thermal printing Resolution of level: 8dots/mm Printing speed: 60mm/s Printing life: ≥30km
Printing paper	Thermal printing label paper - Label width: 30-60mm -Label length: 25-48mm - Paper roll internal diameter: ≤80mm

	- Paper roll outer diameter: ≥ 42 mm - Interval space between labels: 2-3mm
Printing font	12×24 dot: 1.5mm(W) ×3.0mm(H)
Communication ports	1×RS232 Serial, 1×RJ45 Ethernet
Power supply	AC100-120V or AC200-240V, 50/60Hz
Power consumption	Normal status: 5W Printing status: 50W
Built-in battery	None
Environmental Requirements	Storage temperature: -20℃ ~ 50℃ Working temperature: -10℃ ~ 40℃ Storage humidity: 10% ~ 95% RH Working humidity: 20% ~ 90% RH
Scale size (cm)	36(W)×44(D)×17.5(H) (the height is 49cm with display pole)
Package size (cm)	49(W)×48.5(D)×23(H)
Net weight	About 7.5Kg
Gross weight	About 9.3Kg

1.5 How to load label paper roll

1. Make sure that the scale has been power off status.
2. Open the printer's cover on the right side.
3. Use a finger grasp the "drag out point" on the base of the printer and drag the printer out of scale.
4. Pull out pinch plate, open turning head of label printer according to the instruction, namely ① in the image.
5. Put the front of label roll into paper collect reel, according to ② in the image. Then turn paper collect reel 2 or 3 turns and the direction refers to ③. So that point A happens to stop at the gap of two labels.
6. Turning label printers head snaps into place, the direction according to ④, there would be a click sound when in the correct place.
7. Push the printer into scale and close the cover.
8. Turn on the power, waiting the scale to finish initialization work, then press [FEED] key to feed the label to correct print position.



Precautions:

1. Label paper should be properly guided by the axis and adjust the width of the guide limiter.
2. Printed Each five-volume labels or found printing is not clear enough, you should gently wipe clean the thermal print head heating line (black line) with a cotton swab dipped a little alcohol (Attention please! Hard material clean the thermal head is forbidden to avoid damage the thermal print head)

2. Sales operation

2.1 Preparation and Inspection before usage

1. Ensure the scale placed on a platform which is level, strong enough and stable.
2. Check the power supply voltage conforms to the requirements of the equipment input power; the power cord plug connection is reliable.
3. Ensure the four feet of scale are contact with platform, scale body no shake.
4. Check the level bubble whether in a central location (as shown in the figure below), if it not in a central position, you need to adjust the height of feet to make it in the central position.
5. Ensure there is nothing on the scale body which is not the part of scale.
6. Ensure the label paper was loaded correctly and sufficient quantity.



Correct



Wrong

2.2 Power on

1. Ensure there is nothing on scale pan.
2. Open the power switch.
3. Waiting the scale to finish initialization work.
4. Check the "ZERO" indicator at the right side of screen is display or not, and weight value display is zero or not, otherwise press [RE-ZERO] key to reset scale to zero.
5. Check the "STABLE" indicator at the right side of screen is display or not, if it displayed, then the scale is in the ready state for sales work.

2.3 Selling by weight

When the scale be in ready status (shown as left picture in section 3.1):

1. Ensure there is nothing on scale pan.
2. Check the "ZERO" indicator is displayed (Otherwise press [RE-ZERO] key to reset scale to zero).
3. (Optional) Tare: Put tray or package of commodity on the scale pan, and then press [TARE] to remove the tare weight, then the weight value displayed will become "0.000" and "TARE" indicator displayed.
4. Place the commodity on scale pan center gently.
5. Call out the commodity information for sales.
 - Method 1: Enter the PLU No. then press [PLU] key.
 - Method 2: Press hotkey.
6. (Optional) Discount operation: See section 2.7 description.
7. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to "weight" can be sold by weight. 2) Unit displayed at the right side of screen is weight unit (such as "Kg").

2.4 Selling by package

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales.
 - Method 1: Enter the PLU No. then press [PLU] key.
 - Method 2: Press hotkey.
2. (Optional) Discount operation: See section 2.7 description.
3. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to "Package" can be sold by package. 2) Unit displayed at the right side of screen is "pcs".

2.5 Selling by fixed weight

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales.
 - Method 1: Enter the PLU No. then press [PLU] key.
 - Method 2: Press hotkey.
2. (Optional) Discount operation: See section 2.7 description.
3. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to "Fixed weight" can be sold by fixed weight. 2) Unit displayed at the right side of screen is "pcs".

2.6 Change price in sale process

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales (See section 2.3, section 2.4 and section 2.5 descriptions).
2. Enter new price of commodity.
3. Press [Price] key.
4. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which "Price changeable?" item in "Set PLU" menu was set to "Yes" can change price in sale process. 2) Changing price operation is only valid for this time operation, does not modify the price stored in system memor

3. Menu and Setting operation

Description	key
Enter setup interface (note: if you are selling, is unable to enter)	[MENU]
Fast into the specific Settings interface note: a set of index number see the table below	et the item index number (see table below) + [MENU], Such as: [1] [1] [MENU], namely into the date/time Settings
Exit the Settings interface, to return to the interface of sales	[MENU]

Menu Tree

- | |
|---------------------|
| 1. System Setting |
| 1.1 Date & Time |
| 1.2 Network Setting |

1.2.1 IP Address
1.2.2 MAC Address
1.3 Hotkey
1.4 Printed String
1.5 PLU Description
1.6 Printing Format
1.7 Desktop Message
1.8 Currency Sign
2. Parameter Setting
2.1 Machine No.
2.2 Label Printing Setting
2.2.1 Paper Width
2.2.2 Paper Height
2.2.3 Paper Span Width
2.2.4 PLU Name Align Center
2.2.5 Reversed Printing
2.2.6 Label Printing Format No.
2.2.7 Printing Density
2.2.8 Paper Strip Detection
2.3 Barcode Setting
2.3.1 Barcode Combination
2.3.2 PLU Code Length
2.3.3 PLU Code Combination
2.3.4 PLU Code Prefix
2.3.5 Quantity in Barcode
2.4 Rounding off
2.5 Unit of Weight
2.6 Chang Price Enable
2.7 Discount Enable
2.8 Date Printing Format
2.9 Default Validity Date (days)
2.10 Statistical Report Enable
3. PLU Management
3.1 Set PLU
3.2 Delete One PLU
3.3 Delete All PLU
4. Report
5. Factory Settings
5.1 Reset System Parameters
5.2 Reset to the Factory Status
6. System Testing
6.1 Printer Testing
7. Software Version

Note: Input the index number of menu, then press key[MENU] can quickly enter the Menu, Such as [1] [1] [MENU] into "1.1 Date&Time"

4. system settings

4.1 Date and Time

Descaipion	key
1.1 Date & Time	[MENU][1][1][CLR] < input 8 digit> such as: 20140911 [OK] [CLR] < input 6 digit > such as: 153700 [OK][CLR][MENU]

4.2 Network Setting

Descaipion	key
1.2.1 IP address	[MENU][1][2][1][CLR] < input IP address > such as: 192.168.1.87 [OK] [MENU]
1.2.2 MAC Set	[MENU][1][2][2][OK] < input MAC address> such as: 12345678 [OK][MENU]

4.3 Hotkey

Descaipion	key
1.3 Hotkey	1. [MENU][1][3] 2. <input hotkey No.> such as: 120 3. < Press Hotkey> such as: [HOTKEY 1] 4. Repeated step 2,3 5. [MENU] to exit

4.4 Printed String

Description	key
1.4 string used to name printed on the label paper, user-defined information such as the telephone	[MENU][1][4] <input string No.> range: 1-8 [OK] <input content > such as : welcome [OK][MENU]

4.5 PLU Description

Description	key
1.5 Information is used to print on label paper information shows that the goods	[MENU][1][5] <input serial number of information > range: 1-255 [OK] <inputinformation content > such as: Please eat after heating [OK][MENU]

4.6 Label Printing Format

Description	key
1.6 Label printing format set label paper to print the content and format, suggested that set	[MENU][1][6]

them on the computer in downlink.	
Choose to set up the printing items	<p>Edit item serial number > < input range: 1 ~ 32</p> <ol style="list-style-type: none"> 1. Internal code 2. Product name 3. PLU code 4. Price 5. Weight 6. Amount after discount 7. Label code 8. Date 9. Effective days 10. Frame 11. Time 12. Amount before discount 13. Expiry date 14. Discount rate 15. Title 1 16. Title 2 17. Title 3 18. Title 4 19. Title 5 20. Title 6 21. Title 7 22. Title 8 23. Title 9 24. Letter string 1 25. Letter string 2 26. Letter string 3 27. Letter string 4 28. Letter string 5 29. Letter string 6 30. Letter string 7 31. Letter string 8 32. commodity information <p>[OK]</p>
Set to print it or not	<p>[1]: print [2]: no print</p> <p>[OK]</p>
Set printing font-size	<p>1:Normal; 2:Double width; 3:Double height; 4:Double size</p>
Set printing direction	<p>1: 0 degree; 2:90 degree; 3: 180 degree; 4:270 degree</p>
Set width (0.125 mm) Settings "only 10 boxes"and 7 bar code "ave the, set the barcode for the wide (2-4)	<p><input width ></p> <p>[OK]</p>
Set the height (0.125 mm) Only ten box "and" set "have the 7 bar code"	<p>< input width ></p> <p>[OK]</p>
Set the title content index (1-23)	<p>< Input the title content index ></p> <p>[OK]</p>

(the title only 1 ~ 9 has the title) 1: description 2: weight (g) 3: The unit price (RMB / 100 g) 4: amount 5: date of packaging 6: burdening 7: expiration date 8: net content 9: date of manufacture 10: edible methods 11: preservation method 12: coding 13: The amount (RMB) 14:PLU 15:g 16: weight 17: unit price 18: unit 19:unit/100g 20:unit/500g 21:unit/kg 22:kg 23:effective date	
SetX coordinate (0.125 mm)	< Input x coordinate > [OK]
SetY coordinate (0.125 mm)	< Input Y coordinate > [OK]
Exit Setup	[MENU]
4.7 Desktop Message	
Description	key
1.8 Desktop Message This message will be displayed at idle status	[MENU][1][7] < input message > Such as: Welcome [OK][MENU]
4.8 Currency Sign	
Description	key
2.1 Currency Sign	[MENU][1][8] use [↑] or [↓] to select currency sign [OK][MENU]
5. Parameter settings	
5.1 Machine No.	
Description	key
2.1 Machine No.	[MENU][2][1] < input scale no. > range: 1-99999999

	[OK][MENU]
5.2 Label Printing Setting	
Description	key
2.2.1 Paper width	[MENU][2][2][1] <input paper width> range : 1~560 (unit:0.1mm) [OK][MENU]
2.2.2 paper height	[MENU][2][2][2] < Input paper width > range: 1~480 (unit:0.1mm) [OK][MENU]
2.2.3 Paper Span	[MENU] [2] [2] [3] > < input between paper width (0.1 mm) [OK][MENU]
2.2.4 PLU name center	[MENU] [2] [2] [4] [1]: On [2] : Off [OK][MENU]
2.2.5 Print in reversed mode	[MENU] [2] [2] [5] [1]: On [2] : Off [OK][MENU]
2.2.6 Label Printing Format No.	[MENU] [2] [2] [6] <input format no.> range: 0~4 [OK][MENU]
2.2.7 Print Density	[MENU][2][2][7] < input concentration > range: 1~10, The greater the number, the higher the concentration [OK][MENU]
2.2.8 Paper Sensor	[MENU][2][2][8] [1]: On [2]: Off [OK][MENU]

5.3 Barcode Set	
Description	key
2.3.1 Bar code type	[MENU][2][3][1] <[↓] to select > range: 1~12
Note: points refers to the lowest amount of Angle and don't give up is refers to the lowest amount of points.	1: PLU Code + Amount (code13) 2: PLU Code + Weight (code13) 3: PLU Code + Price (code13) 4: PLU Code (code13) 5: PLU Code + Weight + Amount (R) (code18) 6: PLU Code + Amount (R) (code13) 7: PLU Code + Weight + Amount (R) (code18) 8: PLU Code + Amount (R) + Weight (code18) 9: PLU Code + Amount + Weight (code18) 10: 1 + weight + PLU Code (code13) 11: PLU Code + Price + Weight (code18) 12 : PLU Code + Weight + Price (code18)
Amount(R) means rounding-off amount	[OK][MENU]

2.3.2 PLU Code Length	[MENU][2][3][2] < Input length coding > range: 4~12 [OK][MENU]
2.3.3 PLU code type	[MENU][2][3][3] [1]: Prefix+ item code [2]: Only item code [OK][MENU]
2.3.4 prefix	[MENU][2][3][4] <input bar code prefix> [OK][MENU]
2.3.5 Quantity in Barcode	[MENU][2][3][5] [1]: 1=1000 [2]: 1=1 [OK][MENU]

5.4 Round-Off

Description	key
2.4 round-off	[MENU][2][4] [1]: The third decimal rounding (1.005 → 1.01) [2]: The third decimal removed (1.005 → 1.00) [3]: The second decimal rounding (1.05 → 1.10) [4]: The second decimal removed (1.05 → 1.00) [OK][MENU]

5.5 Unit of Weight

Description	Key
2.5 unit of weight	[MENU][2][5] [1]: kg [2]: SJ(500g) [3]: lb [4]: g [5]:50g [OK][MENU]

5.6 Change Price Enable? (the system default)

Description	key
2.6 Price changeable?	[MENU][2][6] [1]: Variable valence sales [2]: prohibited to intending to sell [OK][MENU]

5.7 Discount Enable? (the system default)

Description	key
2.7 discount?	[MENU][2][7] [1]: at a discount [2]: Ban at a discount [OK][MENU]

5.8 Printing Date Type (System Default)

Description	key
2.8 date type	[MENU][2][8] [1]: Don't discount date [2]: Printing packing date [3]: Print the warranty [4]: Printed packaging and expiration date [OK][MENU]

5.9 Default Validity Date (the system default value)

Description	key
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2.9 Default Validity Date	[MENU][2][9] < input number of days > [OK][MENU]
---------------------------	--

5.10 Statistical reports

Description	key
2.10 statistical reports	[MENU][2][0] [1]: Opening statements statistics [0]: forbidden to statements of statistical [OK][MENU]

6. PLU settings

6.1 Set PLU

Description	key
3.1 PLU set	[MENU][3][1]
3.1-1 PLU number	< input PLU number > range: 1~999999 [OK]
3.1-2 Code	< input PLU code > range: depend on 2.3.2 item length coding [OK]
3.1-3 PLU name	< input PLU name > for example: apple [OK]
3.1-4 unit price	< input Price Per Pack > such as: 3.12 [OK]
3.1-5 Type	[1]: weigh [2]: According to the number of [3]: basis weight [OK]
3.1-6 Set the fix weight (g)	< input the fix weight > unit: g [OK]
3.1-7 tare (g)	< input tare > unit:g, General set to 0 [OK]
3.1-8 Date printing type	[1]: Don't discount date [2]: Printing packing date [3]: Print the warranty [4]: Printed packaging and expiration date [OK]
3.1-9 Shelf life of days	< input Retention period of days > [OK]
3.1-10 Price changeable?	[1]: default system, depends on 2.6? [2]: Price changeable sales [3]: price can't changeable [OK]
3.1-11 Discount mode	[1]: No discount [2]: Special price [3]: Percent(%) [4]: Coupon [OK]
3.1-12 Special price for [2]	< Enter Special price > such as : 3.00 [OK]

Percent(%) for [3]	< Enter discount rate > such as: 90.00 [OK]
Coupon for [4]	< Enter Discount amount > such as: 0.12 [OK]
Commodity message	< Enter message of commodity > This message is set in the menu item "1.5. Message (1 to 255)", can be set up 255PCS. [OK]
quit	[[MENU]

6.2 Delete PLU

Description	key
3.2 Delete PLU	[MENU][3][2] <Input the PLU no. > [OK] [OK] [[MENU]

6.3 Delete all PLU

Description	key
3.3 Delete all PLU	[OK] [3][3][1] [OK] [[MENU]

7. Reports Management

Description	key
4. Date & Time	[[MENU][4]
Daily Total Amount	[OK]
Daily Label Count	[OK]
Clear-out Report	[1]: delete [2]: Not deleted [OK]

Note: in the menu "2.10 statistics" when you start the statistical reports, to view the report.

8. Factory Settings

Description	key
5.1 Reset system setting	[MENU][5][1] < input: 12345678 > [OK] reboot system now
5.2 Restore factory setting	[MENU][5][2] < input: 12345678 > [OK] reboot system now

9. System Test

Description	key
6.1 Printer test	[MENU][6][1][MENU]

10. Software Version

Description	key
7. version information	[MENU][7] : Display software version [OK] [MENU]

11. Error Message

Before you inform the technique representative, you may refer the common troubleshooting as the following list. Many questions maybe occur do not because of the quality of the product rather a simple incorrect operation.

Errors	Discription
ERR-01	Invalid PLU code
ERR-02	Invalid PLU No.
ERR-03	Difference price when resale
ERR-04	No print paper
ERR-05	Forbid change price
ERR-06	PLU not found
ERR-07	Wrong IP format
ERR-08	Wrong date or time
ERR-09	Invalid key input
ERR-10	Quantity or weight error
ERR-11	Money error
ERR-12	Memory full
ERR-13	Data input error
ERR-14	Data in memory error
ERR-15	Label Paper haven't peeled
ERR-16	Wrong MAC address format
ERR-17	Amount of money overflow
ERR-18	U-Disk error

12. Common troubleshooting

1. The screen does not display, or the display is not normal.

Check: The connection of display cable is properly connected, whether loose or completely embedded in the card in place.

Solution: In the power off status, reconnect the display cable, then power on again.

2. Turn on the power switch, the scale does not power on and booting.

Check: 1) the scale is connected to the power cord mains power outlet if there is electricity or not. 2) The power cord from the mains socket contacts is reliable. 3) The end of the power cord connected to a power outlet and scale reliability. 4) The fuse of scale is intact or not. 5) The power switch of scale is good.

Solution: The power switch is in turn off (dial to the "O" logo side) status, one by one to check the above items, after confirming that no problems then re- boot.

3. Can't communicate with computer.

Check: 1) communication cable is good. 2) Communication cable to the scale and the computer are connected reliably. 3) PC software and scale software settings are correct. 4) The connected communication port of computer is good.

Solution: The power switch is in turn off (dial to the "O" logo side) status, one by one to check the above items, after confirming that no problems then re- boot.

4. Weighing accuracy deteriorates, or inaccurate.

