USER’S MANUAL

Price Computing Label Scale

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Thank for your choice of our **Computing Label Scale**, designed to give you many years of service.

1 Safety First

- To use this product safely and correctly, read this manual thoroughly and operate as instructed.
- After reading this guide, keep it close at hand for future reference.
- Always observe the warnings and cautions indicated on the product.

1.1 About warning and caution icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. To bring attention to risks and possible damage, the following types of icons are used.

: This symbol is indicated for attracting attention (including warning). In this triangle, the actual type of precaution indicates potential danger (e.g. electric shock).

: This symbol is indicated for attracting attention (including warning). In this triangle, the actual type of precaution indicates the susceptive of static electricity.

: This symbol indicated for attracting attention (including warning). In this semicircle, the actual type of precaution indicates the needed protection operation of static electricity.

1.2 Warning

During handling electronic label printing scale

1. Should the scale malfunction, start to emit smoke or strange odor, or to occur other abnormal behavior immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
2. Do not place containers of liquid near the scale and do not allow any foreign matter to get into it. Should water or other foreign matter get into the scale, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shot circuit, fire and electric shock.
3. Should you drop the scale and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.
4. Never try to open the scale apart or modify it in any way. High-voltage components inside the scale create the danger of fire and electric shock.

1.3 Power plug and AC outlet

1. Use only a proper AC electronic outlet: 190V ~ 250V; Temperature: -10°C~ +40°C; Humidity: 40%~90%. Use beyond the indicated conditions creates the danger of malfunction, fire and electric shock.
2. Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating and fire.
   Note: Do not use an already damaged plug. Never connect to power outlet that is loose.
3. Use a dry cloth to periodically wipe off any dust built up on the head of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on it.
4. Do not allow the power outlet or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power outlet can cause deterioration of the insulation, exposure of internal wiring, and the danger of short circuit, electric shock and even fire.

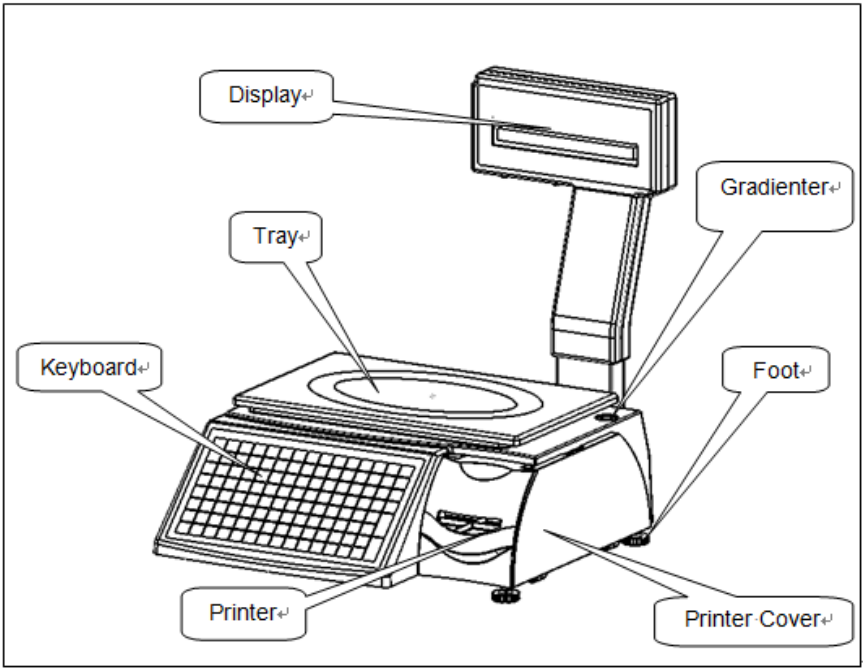
1.4 Caution

During handling electronic label printing scale

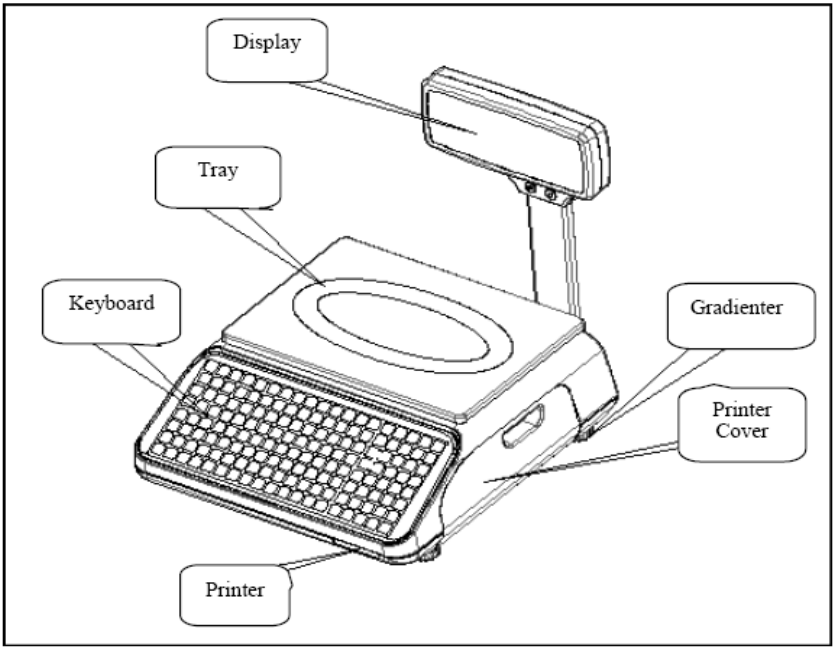
1. Do not place the scale on an unstable or uneven surface. Doing so can cause the scale to fall, and create the danger of malfunction, fire, and electric shock.
2. Do not place the scale in the following areas.
   - Areas where the scale will be subject to large amounts of humidity or dust, or directly exposed to extreme hot or cold air.
   - Areas exposed to direct sunlight, in a close electronic motor, or any other area subject to very high temperature.
3. Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause short circuit or damage of the power cord, creating the danger of fire and electric shock.
4. Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short-circuit, creating the danger of fire and electric shock.
5. Never touch the plug while your hands are wet. Doing so creates the danger of electric shock.
6. Do not place electric object near the scale. Any electric object getting into the scale maybe creates the danger of malfunction.
7. Make sure there is no sharp electric magnetic field around the scale; otherwise it will cause a danger of capability reduction of scale.

2 Summarize

2.1 Outline drawing

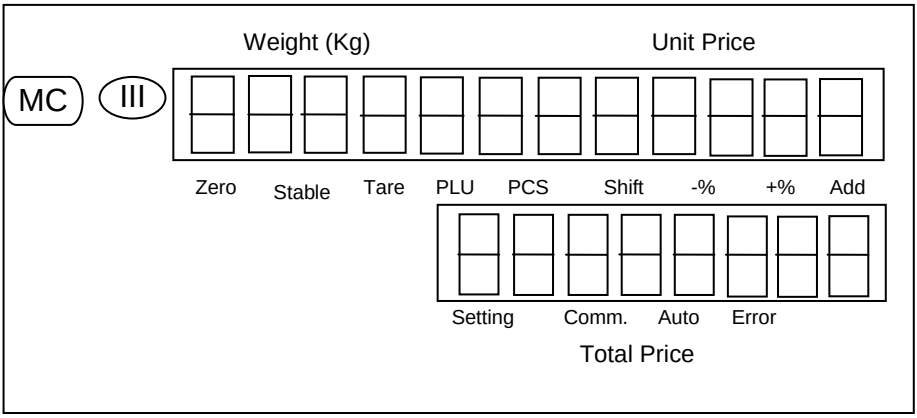


LP-15



LP-80

2.2 Display



2.3 Standard keyboard layout

CLR	SHIFT	↑	MENU	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
FEED	→	↓	←	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
AUTO PRINT	VOID	-%/ DISC	+%/ EXTRA	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
PACKAGE	LOCK	PRICE	PLU	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
RE-ZERO	3 def	2 abc	1	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
TARE	6 mno	5 jkl	4 ghi	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
CASH	9 wxyz	8 tuv	7 pqrs	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY
CASH	•	0	BACK SPACE	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY

2.4 Light

Light	Light status	Scale current status
Zero	On	No weighing or weight=0
Stable	On	Label scale operating stably
TARE	On	TARE key is pressed
PLU	On	Programming PLUs
PCS	On	Sales in package
Shift	On	SHIFT key is pressed
Lock	On	The current product is locked
-%	On	Discount at percentage
+%	On	Additional charge at percentage
Add	On	Accumulating sales quantity of certain goods
SET	On	Under programming status
COM	On	Communication between scales and computer
AUTO	On	Under Auto-print status
ERORR	On	Error status

2.5 Name and function of the key

Key	Function
NUMERIC	Number and letter entering
HOT KEY	Key for direct sales
MENU	Enter and quit menu
↑	Select function on the upper
↓	Select function on the next
←	Select function on the upper
→	Select function on the next
SHIFT	Select 2nd function
CLR	Clear entering
PAPER	Feed label paper
+% / EXTRA	Additional at percent Charge function.
-%/ DISC	Discount at percent Coupon function
VOID	Cancel current sales operation
AUTO PRINT	Auto-print and manual-print shift key
PLU	PLU code key to get product information
PRICE	Price entry key
LOCK	Lock a certain key for one PLU
PACKAGE	Sales in packet
RE-ZERO	Zero comeback key
TARE	Tare key
CASH	Total cash key

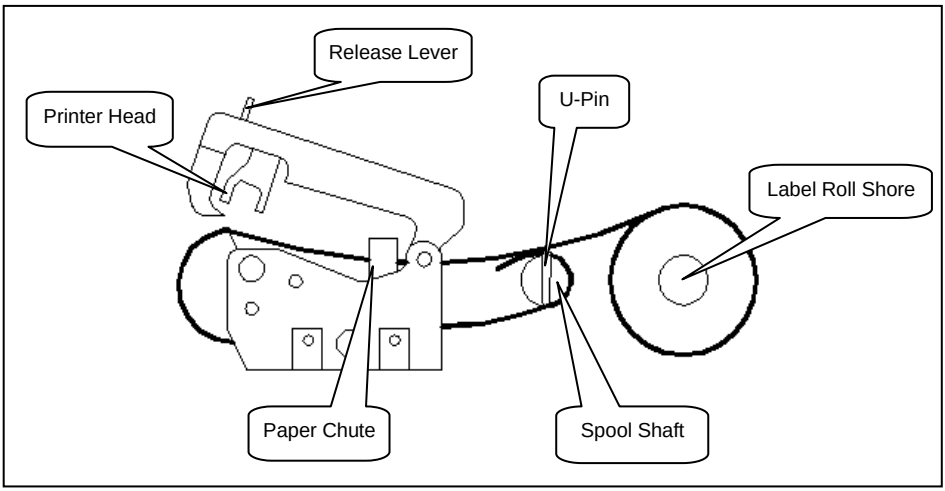
2.6 Capability

Parameter		Specification
Maximum division of weighing-detection: MAX-MIN-e	Singular division	3Kg—20g—1g 6Kg—40g—2g 5Kg—100g—5g
	Double division	6/15Kg—40g—2/5g (scale with 15 Kg maximal weighing) 15/30Kg—80g—5/10g (scale with 30 Kg maximal weighing)
Precision		1/3000 F. S
LED Display	Weight	5 digits
	Price	7 digits
	Cash amount	8 digits
Power supply		AC110V/230V, 50/60Hz
Power consumption	Normal mode:	20W
	Printing mode:	50W
Operating temperature	Storage	-10℃~50℃
	Working	0℃~40℃
Humidity		40%~90% RH
Printer feature	Type	Thermal print
	Resolution	8 dot/mm
	Speed	60 mm/sec
	Reliability distance	30km without malfunction
Printer paper	Width	30-60mm
	Length	25-200mm
	Outside diameter	≤φ100mm
	Inside diameter	≥φ25mm
	Space	2-3mm
Print font	character set	30×30 dot, 3.75 (W) mm x 3.75 (H) mm

Note: this instruction manual is suitable for the price computing label scale with maximal weighing of 15 Kg and 30 Kg.

2.7 Installing label paper roll

1. Make sure that the power plug is unplugged from AC power
2. Open the printer side cover
3. Push release lever to lift up the printer head
4. Insert label roll into the Label Roll Shore
5. Separate the label from back-paper for 30cm
6. Load the label through paper chute and wind the back-paper two or three times around the spool shaft, and then use U-pin to lock it
7. Put down the printer head and lock it
8. Close the printer side cover
9. Turn on the power, press [feed key] to feed the label to correct print position



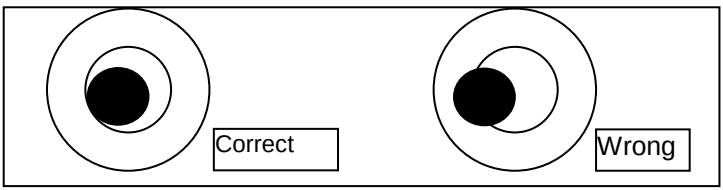
2.8 Main functions and features

1. 10000 pieces of PLUs and PLUs data can be modified easily.
2. PLU hot-keys can be edited and makes sales operation more quickly.
3. Printing parameters and label code setting can be easily edited.
4. Label code format designation is convenient.
5. Label printing quantity and sales amount can be sorted by PLU code.
6. Multiple discount modes available. Amount before and after discount shown.
7. Easy communication in two network ways: RS-232 and TCP/IP.
8. Programming and setting can be done in computer and then uploaded to scale via RS-232 port.

3 Sales Operation

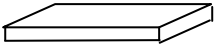
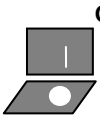
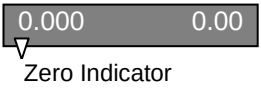
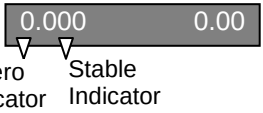
3.1 Inspection before usage

1. Switch on the scale
2. Make sure that the gradienter hole is clean
3. Anything on the scale pan should be cleared up.
4. Adjust the scale feet until the gradienter bubble showing adjustment to the horizontal. It is shown below:

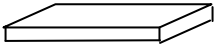
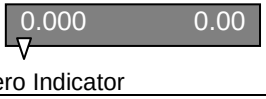
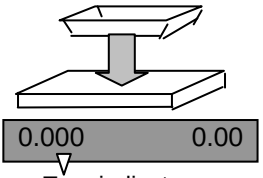


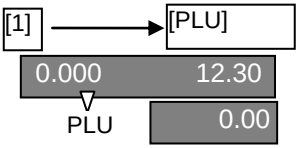
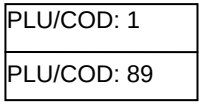
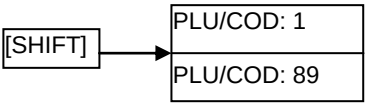
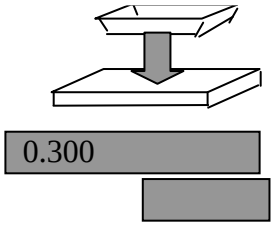
5. Make sure that printer paper sufficient and has been correctly installed.

3.2 Power up

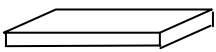
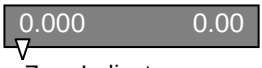
Procedure	Key operation and display
1. Clean scale pan	
2. Power switch “ON”	
3. Zero indicator lighting up	
4. If Zero Indicator not lighting up, press **RE-ZERO** key	[RE-ZERO]
5. Stability indicator lighting up	

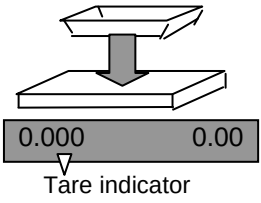
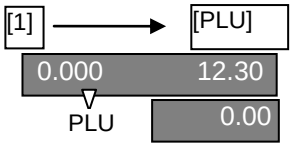
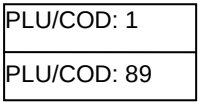
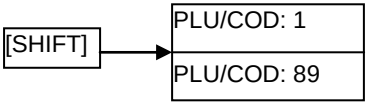
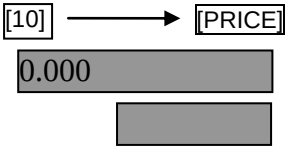
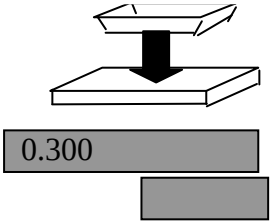
3.3 Weighing selling

Procedure	Key operation and display
1. Scale pan clear	
2. Zero indicator lighting up	
3. If Zero Indicator not lighting up, press **RE-ZERO** key.	[RE-ZERO]
4. Tare Put the weighing pan on the scale pan, then press TARE key, then the “Tare” indicator will light up.	

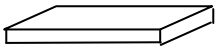
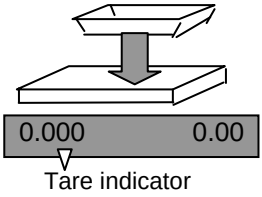
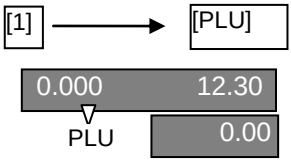
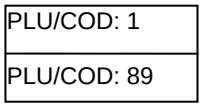
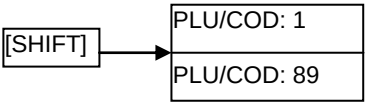
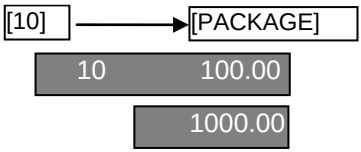
5. Enter PLU Number To get product information, enter PLU number, and then press PLU key, then PLU indicator is lighting up. Or use Hotkey: Pressing the PLU hotkey, to sale the goods directly, e.g. for COD1, press HOTKEY directly; for COD 89, press SHIFT+HOTKEY.	e.g.: PLU number: 1 Unit price =USD 12.30/Kg  e.g.: COD: 1  e.g.: COD: 89 
6. To weigh goods. Put the goods on the scale pan.	e.g.: Gross weight=300g 
7. Please refer to coupon operation (3.7), if coupon is needed.	
8. Label printing Press CASH to print label.	[CASH]

3.4 Reset price selling

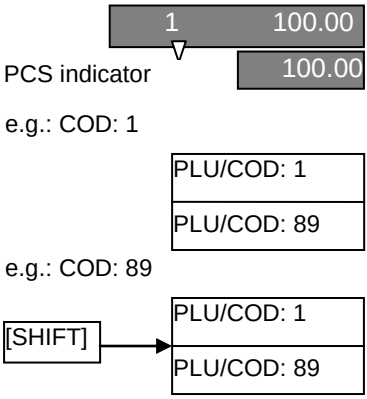
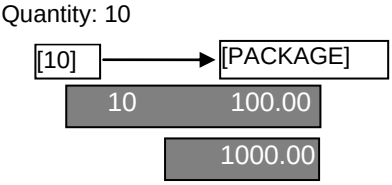
Procedure	Key operation and Display
1. Scale pan clear	
2. Zero indicator lighting up	
3. If Zero Indicator not lighting up, press **RE-ZERO** key.	[RE-ZERO]

4. Tare Put the weighing pan on the scale pan, then press TARE key, then the "Tare" indicator will light up.	
5. Enter PLU Number To get product information, enter PLU number, and then press PLU key, then PLU indicator is lighting up. Or use Hotkey: Pressing the PLU hotkey, to sale the goods directly, e.g. for COD1, press HOTKEY directly; for COD 89, press SHIFT+HOTKEY.	e.g.: PLU number: 1 Unit price =USD 12.30/Kg  e.g.: COD: 1  e.g.: COD: 89 
6. Reset price Attn: Open PLU must be set as "Reset Price selling" during programming. Enter the new price, e.g. New price=10, press PRICE key.	To change the price to 10.00 
7. To weigh goods. Put the goods on the scale pan.	e.g.: Gross weight=300g 
8. If coupon sales, refer to coupon operation (3.7).	
9. Label printing Press CASH to print label.	[CASH]

3.5 Default weight and price selling

Procedure	Key operation and display
1. Scale pan clear	
2. Zero indicator lighting up	
3. If Zero Indicator not lighting up, press **RE-ZERO** key.	[RE-ZERO]
4. Tare Put the weighing pan on the scale pan, then press TARE key, then the "Tare" indicator will light up.	
5. Enter PLU Number To get product information, enter PLU number, and then press PLU key, then PLU indicator is lighting up. Or use Hotkey: Pressing the PLU hotkey, to sale the goods directly, e.g. for COD1, press HOTKEY directly; for COD 89, press SHIFT+HOTKEY.	e.g.: PLU number: 1 Unit price =USD 12.30/Kg  e.g.: COD: 1  e.g.: COD: 89 
6. Enter package quantity e.g. Package quantity = [10] Press PACKAGE key Note：When quantity is"1", direct key sales.	Quantity: 10 
7. Label printing Press CASH to print label.	[CASH]

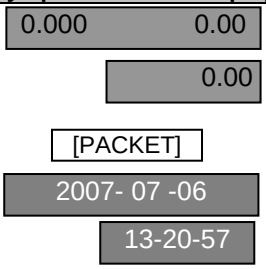
3.6 Sale In Package

Procedure	Key operation and Display
1. To enter PLU code of packaged goods. "PCS" indicator will light up. (Attn: This function can work only when "bagged selling" is set during programming.) Or use Hotkey: Pressing the PLU hotkey on keyboard to sale the goods directly. E.g. for COD1, press HOTKEY directly; for COD 89, press SHIFT+HOTKEY.	
2. Enter package quantity e.g. Package quantity = [10] Press PACKAGE key. Note：When quantity is"1", direct key sales.	
3. Please refer to coupon programming (3.7), if coupon is needed.	
4. Label printing Press CASH to print label	[CASH]

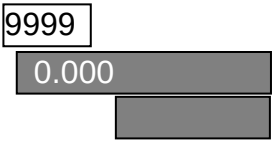
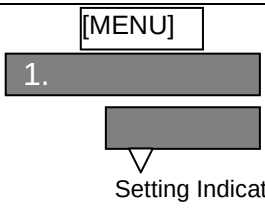
3.7 Coupon selling

Procedure	Key operation and Display
1. Enter coupon rate During on billing operation, enter discount amount, press -% /DISC (Attn: coupon rate has been entered in the product information, in general, press -%/DISC, then press CASH key. Only when change the coupon rate, refer to this introduction.) e.g. coupon rate = [85%] Press -%/DISC key.	
2. Label Printing Press CASH to print label	[CASH]

3.8 Date and time

Procedure	Key operation and Display
Under this interface. Press PACKAGE key Then you can see the date and time. It displays current day of 2007-07-06 (year-month-date), current time of 13-20-57 (hour-minute-second)	

4 Preparation for programming

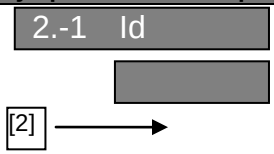
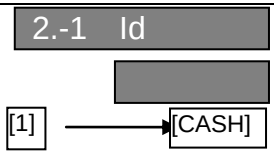
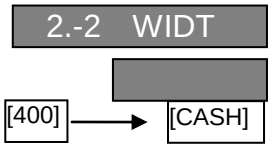
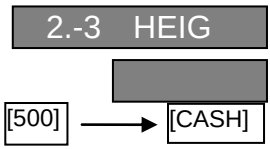
Procedure	Key operation and Display
Turn on the scale. Initial data in the display Note：Press MENU key quit Programming Interface and back to Sales mode. Press CLR to go back to upper level submenu within the programming menu.	
Under the condition without sales operation, enter[9999]	
Press MENU Key, enter programming interface. The “Setting“ Indicator is lighting up.。	

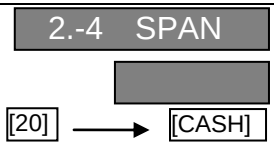
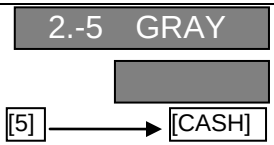
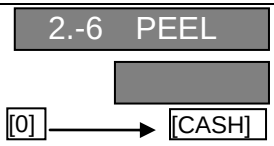
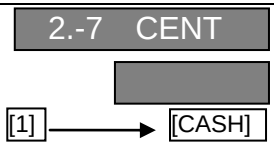
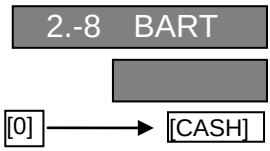
Programming menu (General menu level)	Programming menu (Sub- menu level)
[2]: Parameter setting	[1]: Setting label and scale parameters
[1]: System setting	[2]: Setting network communication
[3]: PLUs	[1]: PLUs setting
[1]: System setting	[3]: Setting Hot-Key
	[1]: Setting date and time
	[5]: Setting explanation text
	[4]: Setting letter string
	[6]: Setting label
[4]: Sales and label setting	[1]: Date and time

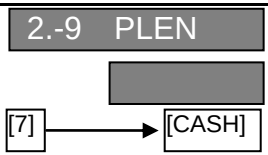
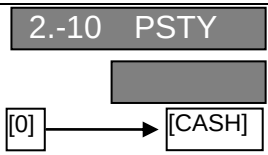
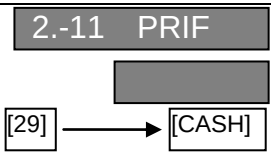
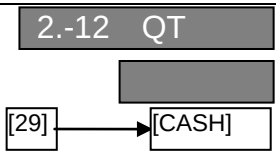
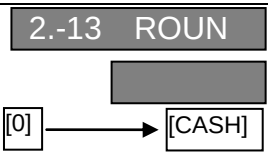
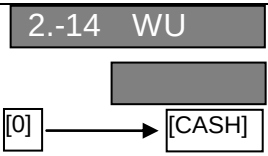
	[2]: Daily sales amount	
	[3]: Daily label quantity	
	[4]: Delete daily sales data	
[3]: PLUs setting	[1]: Setting single PLU	
	[2]: Delete single PLU	
	[3]: Delete all PLUs	
[6]: System testing	[2]: Printing testing	
[7]: About Version		
[6]: System testing	[1]: Scale chcek out	[1]: Scale check out
		[2]: Turn on automatic back to Zero
		[3]: Turn off automatic back to Zero
		[4]: Turn on data check out
[5]: Pre-setting	[1]: Back to default-setting	
	[2]: Back to factory-setting	
Note: For the concrete programming and setting procedures see next chapters		

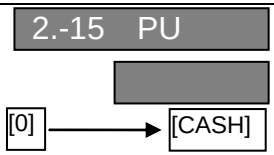
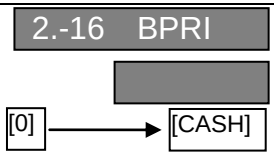
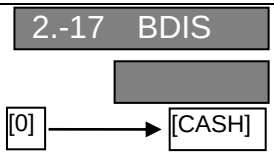
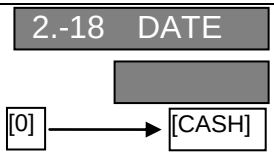
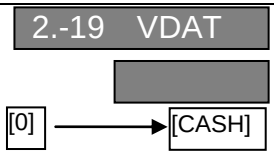
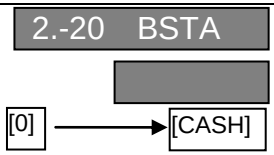
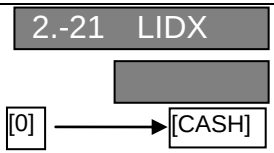
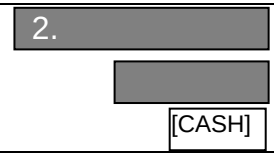
5 Programming Basic Data

5.1 Setting label and scale

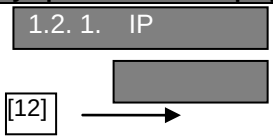
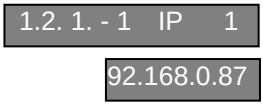
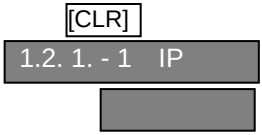
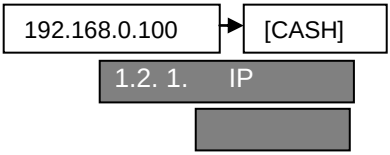
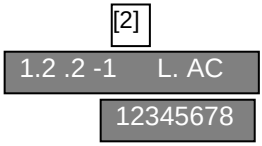
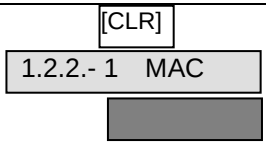
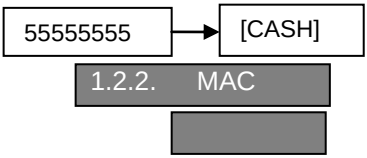
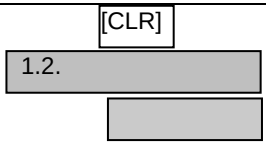
Procedure	Key operation and Display
In the Programming interface, Enter [2], It displays label and scale setting interface.	
Enter the Scale Number (0 -99). e.g.: Scale No. = [1] Press CASH key	
Enter label width (Unit:0.125 mm) e.g.: Label width = [400] Press CASH key	
Enter label Length (Unit 0.125 mm) e.g.: Label length = [500] Press CASH key	

Enter label interval space (Unit 0.125 mm) e.g.: Label interval = [20] Press CASH key	
Enter printing greyness (1 – 10) e.g.: Printing darkness = [5] Press CASH key	
Enter printer paper peel check (0: Not to check; 1: check) e.g.: Not to check = [0] Press CASH key	
Setting PLU printing position (0: not in the center; 1: in the center) e.g.: In the center = [1] Press CASH key	
Enter type of label code (0 – 11) e.g.: Label code type = [0] Press CASH key Note: **Type of label code** 0：POS code + Sales amount（not round Kopeck） 1：POS code + Weight 2：POS code + Price 3：POS Code 4: POS Code + Weight (5 Digits) + Sales amount (round Kopeck) (18 digits) 5：POS code + Sales amount（round Kopeck） 6：POS code + Weight (5 digits) + Cash amount (not round Kopeck) (18 digits) 7：POS code + Sales amount (round Kopeck+ Weight（5 digits)) (18 digits) 8：POS code + Sales amount（not round Kopeck) + Weight (5 digits）(18 digits) 9：1 + Weight + POS Code 10：POS Code + Price + Weight（5 digits) (18 digits) 11：POS Code + Weight (5 digits) + Price (18	

digits) Note: Not round Kopeck = last digit is Kopeck, e.g. 2,22 USD Round Kopeck = last digits is 10 Kopeck ,e.g. 2.2 USD (rounding)	
Enter POS code length (maximal 8) e.g. POS code length =[7] Press CASH key	
Enter POS code type (0:prefix+interner code 1:only interner code) e.g. POS code type =[0] Press CASH key	
Enter POS Prefix e.g. POS Prefix=[29] Press CASH key	
Enter Default Weight Quantity (0:three digits 1: one digit) e.g. Default Weight Quantity=[0] Press CASH key	
Enter the type of Rounding (0:round at the third digit; 1:ignore the third digit; 2:round at the second digit; 3:ignore the second digit)； e.g. The type of Rounding =[0] Press CASH key	
Enter the unit of Weight (0:kg 1: g)； e.g. Unit of Weight =[0] Press CASH key	

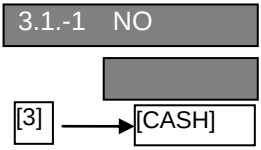
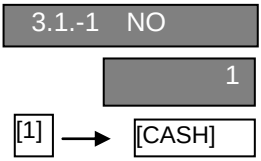
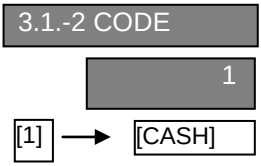
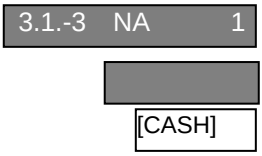
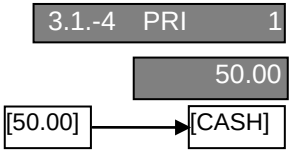
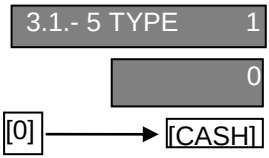
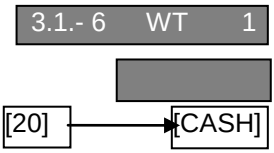
Enter the Unit of Default price (0:kg 1:100g 2:500g)； e.g. Unit of default price ＝[0] Press CASH key	
Enter whether allow to change the price manually (0:Not allow to change price manually; 1:allow to change price manually) e.g. Not allow to change price manually＝[0] Press CASH key	
Enter whether allow to discount (0:Not allow to discount; 1:allow to discount) e.g. Not allow to discount＝[0] Press CASH key	
Enter Format of date (0:No date; 1:Packaging date 2:Expiry date 3:Packaging date and Expiry date)； e.g. Format of data＝[0] Press CASH key	
Enter the number of day before expiry e.g. The number of day before expiry＝[5] Press CASH key	
Enter whether to do Statics (0:Not Statistics 1: Statistics) E.g. Not Statics=[0] Press CASH key	
Enter label format index (0 or 1)； e.g. Label format index=[0] Press CASH key	
Press CASH key Sound of “Bee” hints finishing of parameter setting.	

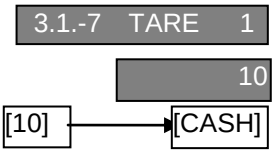
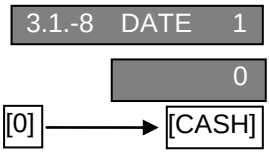
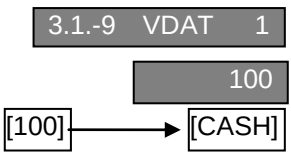
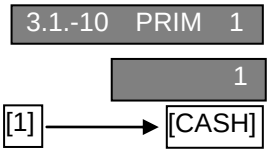
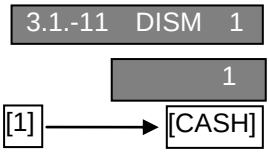
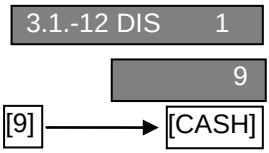
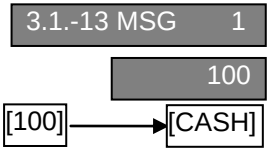
5.2 Setting the network

Procedure	Key operation and Display
In the programming interface, Enter [12], It displays Network setting interface.	
Setting IP address Enter [1] directly, then press CASH key The preset IP address appears in the display: 192.168.0.87	
Press CLR key to delete preset IP address.	
Enter new IP address e.g. New IP address =192.168.0.100 Press CASH key	
Setting MAC address Under network programming interface, enter [2], the preset MAC address is show: 12345678 Note: L.AC is MAC.	
Press CLR key to clean current MAC address.	
Enter new MAC address e.g. new MAC address = 55555555 Press CASH key	
Press CLR key to return to basic data setting interface as shown on the right.	

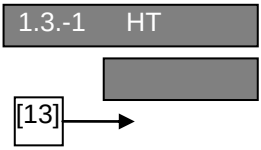
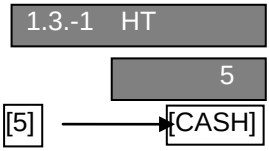
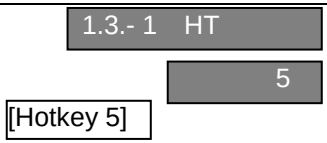
6 Programming

6.1 Setting PLUs

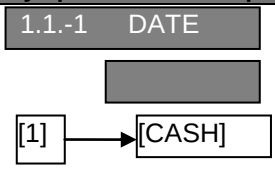
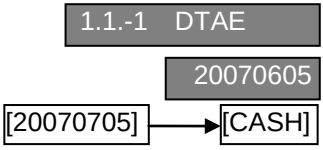
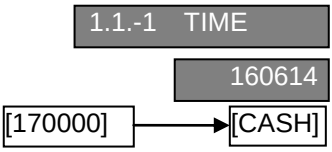
Procedure	Key operation and Display
Under the programming interface , Enter [3], press CASH key.	
Enter PLU e.g. PLU = 1 press CASH key	
Enter internal code e.g. Internal code = 1 Press CASH key	
Enter product name Using ↑ and ↑ to shift the input method 0 for numeric; 1 for small letter; 2 for capital letter Enter letter, Press CASH key .	
Enter price (according to weight unit) e.g. Price = [50] Press CASH key	
Enter sales mode (0: Weighing selling, 1: default price selling, 2: default weight and price selling) e.g. Sales mode = [0] (Weighing selling) Press CASH key	
Enter default weight (only effective for default weight and price selling. Unit: g) e.g. Default weight = [20]	

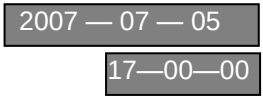
Enter Tare (Only effective for weighting selling) e.g. Tare = [10] Press CASH key	
Enter date type (0: Void, 1: no date, 2: Package date, 3: expiry date, 4: Package and expiry date) e.g. Date type =[0] Press CASH key	
Enter expiry days e.g. Expiry days = [100] Press CASH key	
Reset price selling or not (0: Void, 1: not allow, 2: allow) e.g. not allow reset price selling = [1] Press CASH Key	
Enter Type of discount {0: not discount, 1: special price 2: discount, 3: Coupon} e.g. Type of discount = [1] PressCASH key	
Enter discount type of discount (package) e.g. Discount type of package discount = [9] Press CASH key	
Enter index of explanation e.g. Explanation index. = [100] Press CASH Key Note: For explanation text index,, see Explanation text editing	
Setting is finished with a “BEE” sound.	

6.2 Setting Hot-Key

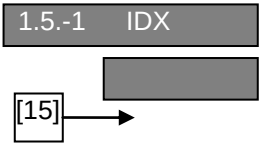
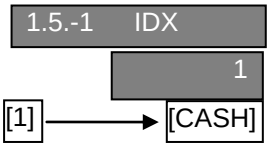
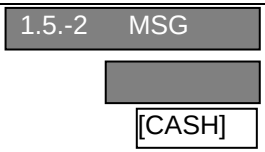
Procedure	Key operation and Display
Under the programming interface , Enter [13], It displays Hot-Key setting interface.	
You can assign a PLU to one of HOT key. e.g. assign one PLU/product to Hot-key 5. Enter [5]. Press CASH key.	
Press the Hot-Key 5 (when necessary, combine with “SHIFT” key). Setting is finished with a “BEE” sound	
Repeat above steps to set more PLUs Hot-Key. Or press CLR key to return to programming menu interface.	

6.3 Setting date and time

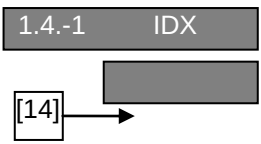
Procedure	Key operation and Display
Under the programming interface , Enter [1], Press CASH key.	
It shows current date (year-month-date): 20070605. Enter new date:20070705 Press CASH key.	
It shows current time (hour-minute-second): 160614. Enter new date:170000 Press CASH key	

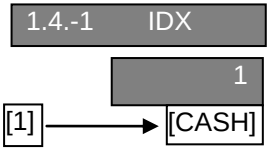
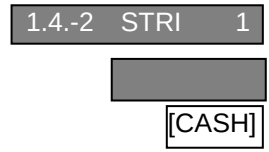
It shows date and time just set. The setting is finish.	
Press CLR key to return to programming menu interface.	

6.4 Editing explanation text

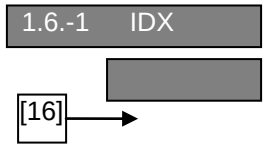
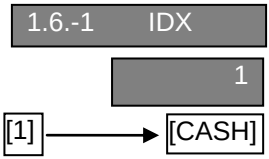
Procedure	Key operation and Display
Under the programming interface , Enter [15]	
Enter index of explanation (1-255) e.g. Explanation text index.= 1 Press CASH key.	
Enter explanation text (maximal 96 letters) When finish, press CASH key.	
Setting is finished with a “BEE” sound.	

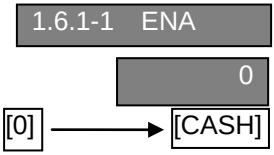
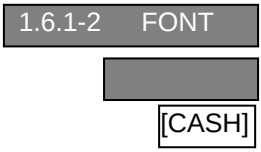
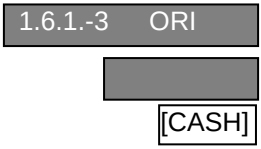
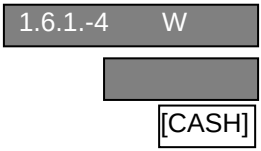
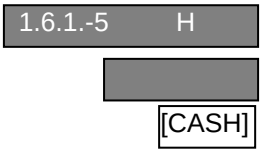
6.5 Editing letter string

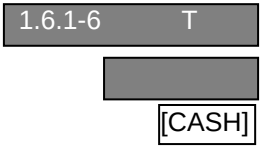
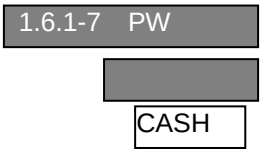
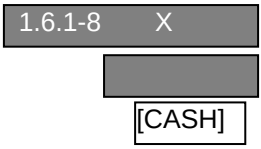
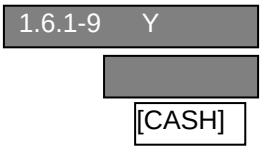
Procedure	Key operation and Display
Under the programming interface , Enter [14],	

Enter number letter string (1-8) e.g. Letter string NO.= 1 Press CASH key.	
Enter letter string (maximal 24 letters). When finish, press CASH key.	
Setting is finished with a “BEE” sound.	

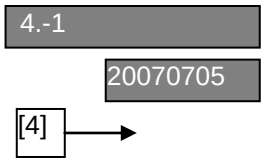
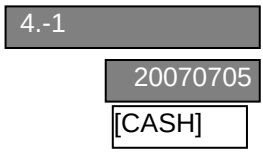
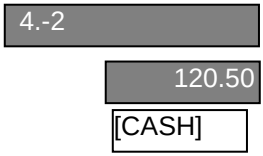
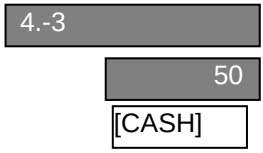
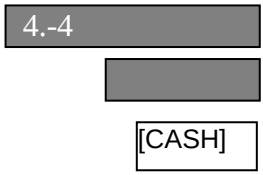
6.6 Editing label code

Procedure	Key operation and Display
Under the programming interface , Enter [16],	
Enter number of label editing (1-32) 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 Explanation text e.g. Letter editing NO.= 1 Press CASH key.	
Setting whether to print (0=: not to print, Others: pint) e.g. Whether to print= [0] Press CASH key to enter next printing setting	
Setting font (0: normal, 1: double width, 2: double height, 3; double width and height). After enter one choice, press CASH key to enter next printing setting. Note: In Setting Frame, no this setting.	
Setting rotation degree of printing font (0: 0 degree, 1: 90 degree, 2: 180 degree, 3: 270 degree). After enter one choice, press CASH key to enter next printing setting. Note: The function only on Version 1.08 or the above versions.	
Setting letter width (Unit: 0,125mm). After enter one choice, press CASH key to enter next printing setting. Note: Only when setting frame and label code, this function exits. When setting label code, width is code width (2-4).	
Setting letter height (Unit: 0,125mm). After enter one choice, press CASH key to enter next printing setting. Note: Only when setting frame and label code, this function exits.	

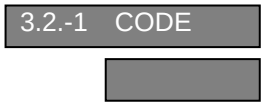
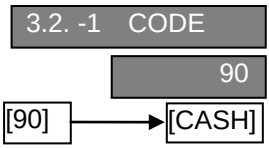
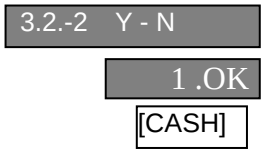
Setting title text index (1-23) 1：Product name 2：Weight (g) 3：Price (USD/100g) 4：Sales amount 5：Packaging date 6：Complement 7：Storage duration 8：Net weight 9：Production date 10：Usage way 11：Storage way 12: PLU code 13: Sales amount (USD) 14: PLU 15: g 16: Weight 17: Price 18: USD 19: USD/100g 20: USD/500g 21: USD/Kg 22: Kg 23: Effective days After enter one choice, press CASH key to enter next printing setting. Note: this function only exists in setting title.	
Setting frame width (Unit: 0,125mm). After enter the width, press CASH key to enter next printing setting. Note: This function only exists on Software Version 1.08 or above version in setting frame.	
Setting X-axis (Unit: 0,125mm). After enter the number, press CASH key to enter next printing setting.	
Setting Y-axis (Unit: 0,125mm). After enter the number, press CASH key. Label code programming finishes.	

7 Sales and Label Report

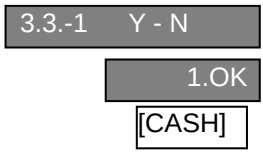
Procedure	Key operation and Display
Under the programming interface , Enter [4], It shows current date (year-month-date): 20070705.	
It shows current date (year-month-date): 20070705. Press CASH key, to show total sales amount Note: The scale shows the date when the last sales report was deleted.	
It shows current sales amount 120.50. Press CASH key to display total quantity of label.	
It shows current label quantity: 50. Press CASH key to enter next setting.	
Setting whether to delete the current reporting data. You can use [←][→]key to chose.(1. Yes;2. No) Press CASH key. The setting is finished with a sound of “BEE”. Note: The current reporting data are shown in above operation, but can not be changed.	

8 System Management

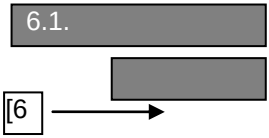
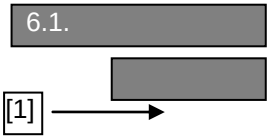
8.1 Delete single PLU

Procedure	Key operation and Display
Under the programming interface , Enter [3],	
Enter [2].	
Enter PLU to be deleted. e.g. PLU= [90] Press CASH key.	
Interface asks whether to confirm the above setting. You can use [↑][↓]key to chose .(1.OK;2. CANCEL) Press CASH key	
Setting is finished with a “BEE” sound.	

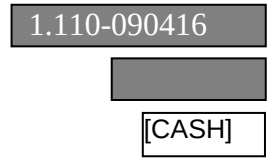
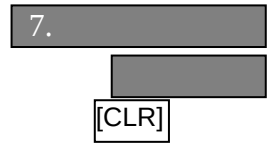
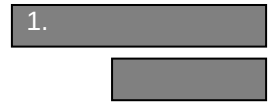
8.2 Delete all PLUs

Procedure	Key operation and Display
Under the programming interface , Enter [3],	
Enter [3]. Then interface ask whether to delete all PLUs. You can use [↑][↓]key to chose .(1.OK;2. CANCEL) Press CASH key	
Setting is finished with a “BEE” sound. Note: The setting will delete all PLUs. Be cautious!	

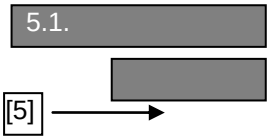
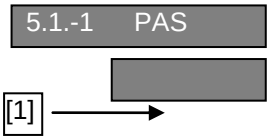
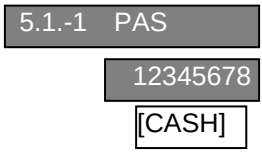
8.3 Testing printer

Procedure	Key operation and Display
Under the programming interface , Enter [6],	
It shows the printer testing interface, Enter [1]. to do a testing printing. Print a black-and-white pattern.	

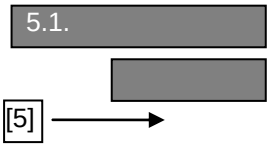
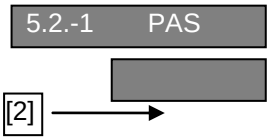
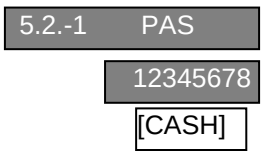
8.4 Getting information of Version

Procedure	Key operation and Display
Under the programming interface , Enter [7],	
It shows current software version: [1.110-090416]. Press CASH key to return to upper level submenu.	
If need to return to programming interface, Press CLR Key.	
Return to programming menu interface.	

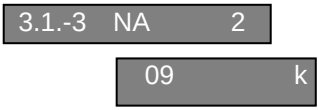
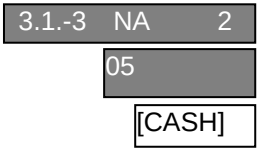
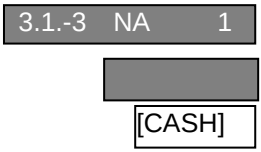
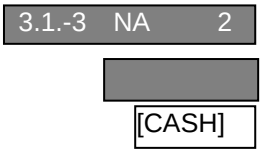
8.5 Renewing default setting

Procedure	Key operation and Display
Under the programming interface , Enter [5] to system setting interface	
Enter [1]	
Enter confirmation code: 12345678. The scale will restart. The setting is finished. Note: 1. setting Explanation Text as “MESSEGE+Index” 2. setting Text String as “STRING+Index” 3. Setting Label format as Default format (see Annex A) 4. Setting System Parameters as Default System Parameter”. (see Annex B)	

8.6 Renewing factory setting

Procedure	Key operation and Display
Under the programming interface , Enter [5] to system setting interface .	
Enter [2]	
Enter confirmation code: 12345678. The scale will restart. The setting is finished. Note: The setting will delete all PLUs setting, then setting 10 PLUs and back to the default setting. (refer to 5.5 setting)	

9 Entering Text

Procedure	Key operation and Display
Entering text is required mainly during editing PLUs, letter string, and explanation text. e.g. In the text entering interface, editing PLU name.(0:number; 1:Capital; 2:Lowercases letter) “09” is the number of input characters. “k” is the input character. Note: PLU name, Letter string are maximal 12 letters. Explanation text maximal 48 letters. For letter inputting code, please refer to Annex C.	
When input English letter, e.g. apple, Enter directly and press CASH key.	
Use ↑ or ↓ to choose one of input method	
When inputting is wrong, press [BACKSPACE] key to delete current inputting. Press [CLR] to delete all inputting. To use [←][→] to navigate the editing position.	

10 Trouble shooting and Technique Support

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

Eorrors	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	PLU can't be Discount
ERR-17	PLU can't be add
ERR-18	Manual discount forbidden
ERR-19	Wrong MAC address format
ERR-20	Amount of money overflow
ERR-21	USB ERR

Addiontional common trouble shooting:

1. The display blinking over 3 seconds during Start operation.
   > Switch the scale off.
2. The displaying is dark or not normal.
   > Please check the cable connection.
3. The scale can't be started.
   > Check the power connection.
4. The communication is not good when using networking function.
   > Check the connection between two machines.
5. Scale is not accurate and precision becomes weaker.
   > Check whether it is clean under the scale pan, the calibration of gradienter and the support pillar stands for the housing.

Annex A. Default label printing format

Label editing No.	Whether to print	Letter font	Direction	Width	Height	Title	Space at edge	X-axis	Y-axis
1 Internal code	0								
2 Product Name	1	3	0					10	74
3 PLU Code	0							10	106
4 Price	1	1	0					52	106
5 Weight	1	1	0					105	138
6 Amount after discount	1	1	0					355	106
7 Label code	1		0	3	50			10	0
8 Date	1	0	0					345	138
9 Effective days	0								
10 Frame	0								
11 Time	0								
12 Amount before discount	0								
13 Expiry date	1	0	0					265	154
14 Discount rate	0								
15 Title 1	1	1	0			17		10	106
16 Title 2	1	1	0			21		110	106
17 Title 3	1	1	0			8		10	138
18 Title 4	1	3	0			22		170	138
19 Title 5	1	1	0			13		224	106
20 Title 6	1	0	0			5		224	138
21 Title 7	1	0	0			23		224	154
22 Title 8	0								
23 Title 9	0								
24 Letter string 1	1	3	0					60	190
25 Letter string 2	0								
26 Letter string 3	0								
27 Letter string 4	0								
28 Letter string 5	0								
29 Letter string 6	0								
30 Letter string 7	0								
31 Letter string 8	0								
32 Explanation text	0								

Note：Function No.10 Frame only on Software Version 1.08 or above

Annex B. Default system parameters

Setting parameters	Volume	Discription
Sacle No.	1	
Label width	448	448 x 0.125mm = 56mm
Label height	243	
Label internval space	35	
Printing greyness	10	
Label paper peel check	1	Check label paper peel
PLUS printed in the centre	1	Plu in the center
Label code type	0	Code + Sales amount (Not rounding Kopeck)
POS code length	7	
POS code type	0	Prefix+Internal code
POS code prefix	29	
Sales amount roudning type	0	Rounding at the 3rd. digits
Weight unit	0	kg
Price unit	0	/kg
Whether to manually change price	0	VOID: not able to manually change price
Whether to manually discount	0	Not to manually discount
Whether to fix the PLU	0	Not tp fix PLU
Whether to antomaticly print	0	Not automaticly print
Default date format	3	Packaging date and effective date
Whether to do statistics	0	Not to do statistics