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

VH-BS-002(TM-H)

Price label scale

User manual

VAHAN INTL IND C. Limited

（2012version）

Catalogue

Chapter Ⅰ Interpretation and Operation instruction set

1.1 Noun explanation

- PLU：means commodity information，include：code、item code、unit price、department number、computing method、valid date etc.
- Hanzi section-position code：input hanzi information,4 digits number code correspond to one hanzi，every character's 4 digits code namely hanzi section-position code。
- ASCII code：input character information，3 digits number code correspond to one character，each group of code namely ASCII code。
- Weighing pricing：one of PLU settlements mode that calculate price on the basis of weight of commodity
- Counting pricing：one of PLU settlements mode that calculate price on the basis of quantity of commodity。
- Fixed weight pricing：one of PLU setlements mode that calculate price on the basis of fixed weight.

1.2 Operation instruction set

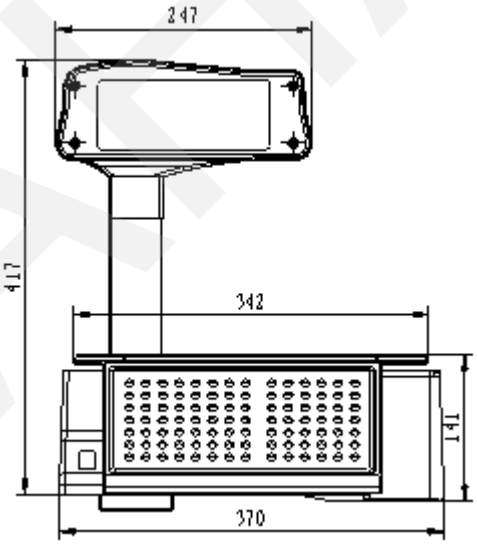
	Operation objective	Mode	Steps		Operation outcome
			First step	Second step	
1	calling PLU data	①	Press shortcut key		Display tare of PLU,unit price
		②	Press number button	Press PLU	
		③	Press PLU	Press number button to input commodity code，and then press TARE	
2	Clear current PLU content	①	Press CLEAR		Clear current PLU information
3	Tare	①	After put goods on the pan,then press TARE		Deduct tare
		②	Input tare weight	Press TARE	
4	Look up time	①	Press DATE		Display current date and time
5	Function setup	①	Press FUNC		Get in menu of function option ，select different item correspond to function setup
6	Unit price discount	1	Press DISCOUNT	Input percentage discount and then press ENTER	Achieve discount
7	Alter counting quantity	1	Press counting number	Press multiple MUTI	Achieve altering counting quantity
8	Auto print in weighing pricing mode	1	Press PLU shortcut key and then press FUNC	Press PRINT in 5 seconds	Get in auto print status (weighing pricing mode)

9	Auto printing in Counting pricing mode	1	Press PLU shortcut key and then press FUNC, and press PRINT in 5 seconds, now prompt you to input spacing interval on tare window , then please input interval time	Press enter ENTER	Get in auto print status (Counting pricing mode)
10	Auto printing in fixed weight pricing mode	1	Press PLU shortcut key and then press FUNC,and in 5 seconds press PRINT, then input interval time	Press ENTER	Get in auto print status (fixed weight pricing mode)
11	Cancel auto print function	1	Press CLEAR		Bring back single print
12	Log out setup option	1	Press CLEAR		Log out function setup，return to original status

Chapter Ⅱ Summarization

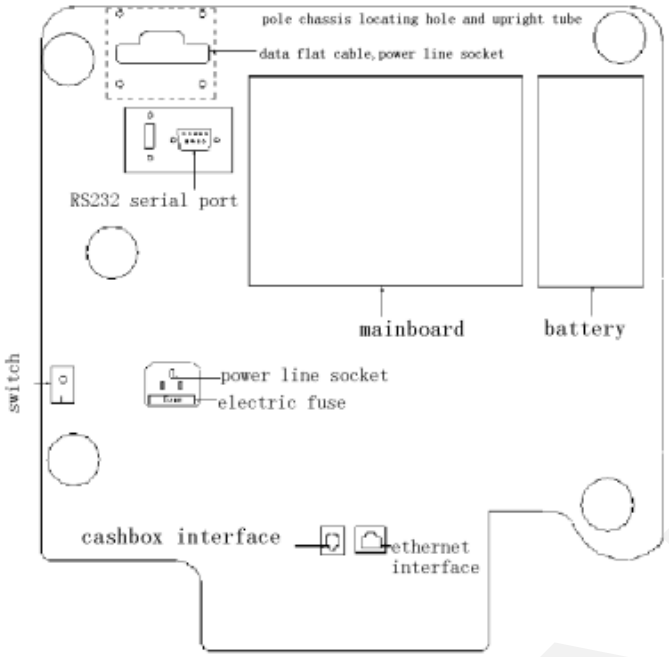
2.1 Appearance

2.1.1 Electronic scale outside view



Upright electronic scale front view

2.1.2 Electronic scale interface diagram



Remark:

The install interface probably different, due to different type of scales with different configurations, please make sure before purchase.

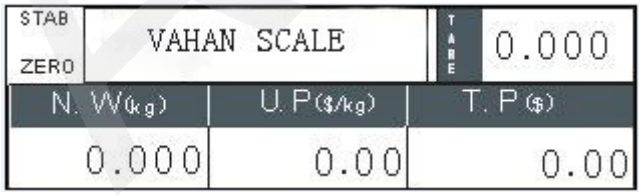
2.2 Installation

Please fix display screen on the upright tube, and fasten upright tube on scale chassis （as shown to the right）。

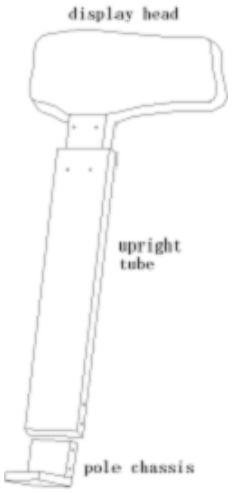
Use Φ3mm screw to fix display screen and upright；use Φ4mm screw to fasten upright chassis。

2.3 Display and keyboard

2.3.1 Display

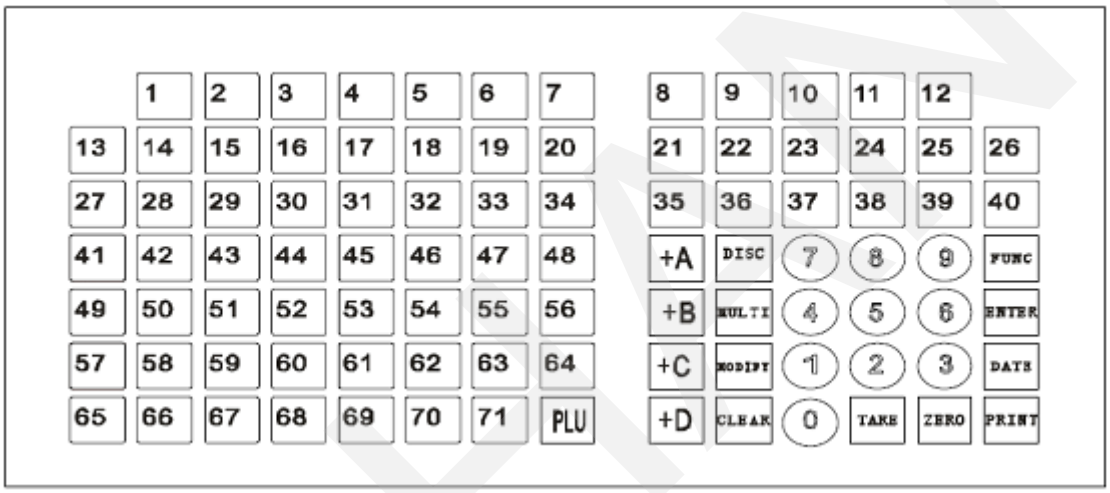


- 1：When scale under steady state，steady indicator will be on；
- 2：When N.W window display zero，zero indicator will be on；
- 3：When scale under standby state，it is defaulted to display TEXT 1information（default shop name），display commodity name when obtaining commodity；display date and time when look up date；
- 4：When operating tare or not display zero in tare window，tare indicator will be on；When connecting communication interface, communication indicator will be on, there is clue when communicating
- 5：display weight of commodity in weight window；display commodity code when obtaining PLU information through code；
- 6：Display weight or quantity numerical value under sale state；



2.3.2 Keyboard

1. Keyboard diagram：



0～9：Use digital key to input numbers

1. [Print]——Up preservation role when print out ticket or manually edit on scale；
2. [Date]——Display current date and time；
3. [Clear]——Clear data、internal storage data，return to standby；
4. [Discount]——For commodity discount，and for page up when setup a function；
5. [Multiple]——Optional quantity under counting state,（Needn't be used under weighing state），up preservation role when setup a function；
6. [Function]——For setting，use "function" button to setup various of functions；
7. [Enter]——For entering function setup, use "enter" button to entering setup；
8. [Tare]——For deducting tare value. Invalid to press "tare" key when tare weight display nonzero, Page down when under setup state.
9. [Zero]——remove nonzero numerical value in weight window then all display zero；notice: single zero amount must not more than 4% of max weight capacity；it's up page under setting state；
10. [PLU]——Obtaining PLU data

2.4 Specification parameter

- Power source：$220V^{+10\%}_{-15\%}$ Frequency 50～60Hz
- Temperature：work temperature0℃～40℃；storage temperature -10℃～40℃
- Humidity：≤85％RH
- Max capacity（verification division value）：3kg（1g）、6kg（2g）、15kg（5g）、30kg（10g）
- Accuracy：1/3000F.S

- Display：Liquid Crystal Display

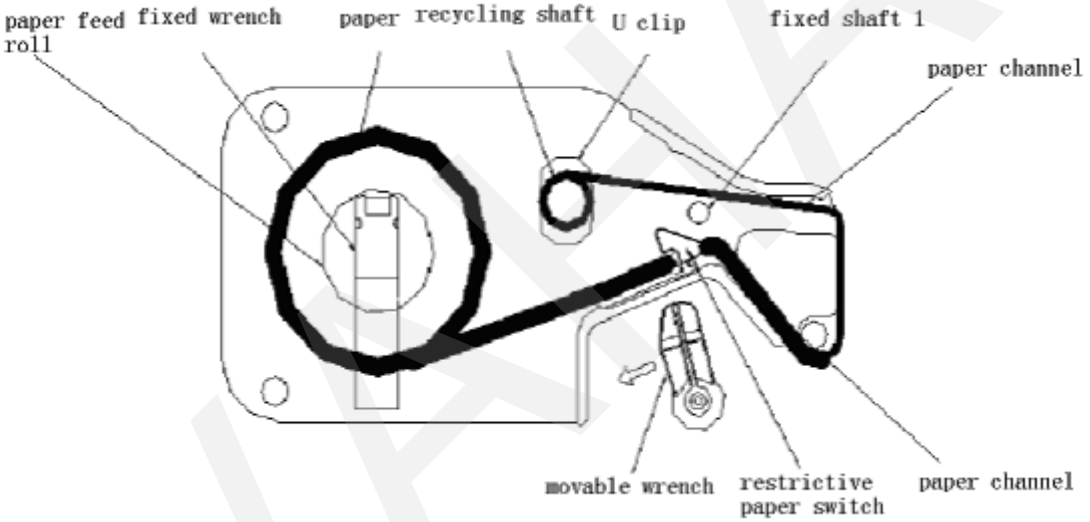
2.5 Printer

2.5.1 Printer parameter

- Print mode：Thermosensitive
- Print speed：75mm/s
- Print width：56mm
- Paper width：60mm（Max.）
- Paper roll outer diameter：90mm（Max.）
- Paper roll inner diameter：40mm（Min.）

2.5.2 Fill paper

1. Direction of arrow as shown on diagram，wrench the movable spanner downward direction，uplift the print head；
2. Fill paper on paper feed roll，notice direction of paper going from underneath as shown；
3. Put paper go through paper channel；
4. Put recycle paper on recycling shaft；
5. Use U clip to stuck recycle paper；
6. Tag paper fill 1mm above print head；
7. Wrench the movable spanner upward ,and put down print head；



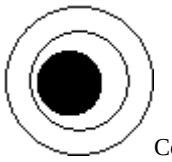
2.6 Reading direction

- Operation step follow the 1st left column, and other columns for displaying content after operating the 1st column step；
- Please confirm scale work state before reading this manual。
- Press CLEAR key directly if encounter wrong operation, won't preserve previous operation when quit midway；
- This manual mentioned display part correspond as follows：

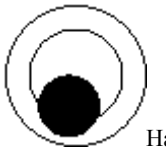
Chapter III User guide

3.1 Initial preparation

1. Please confirm connecting effective between scale and ground before startup；
2. Please confirm put scale tray stable， remove object from scale tray to ensure no-loaded；
3. Please put scale on horizonal plane or adjust scale feet to balance, estimating whether horizonal through air level. As shown, the bubble in the center of air level that is correct, the bubble deviate from middle point that mean not horizonal: as shown to below；



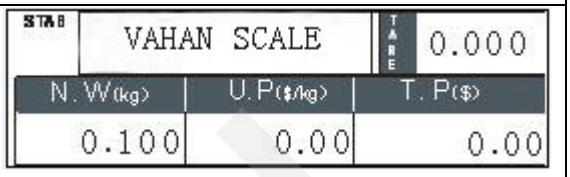
Correctly adjust



Havn't achieved

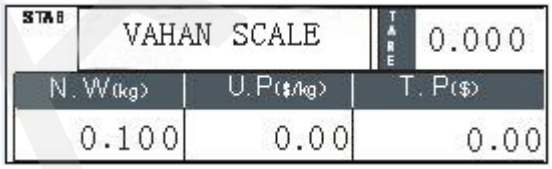
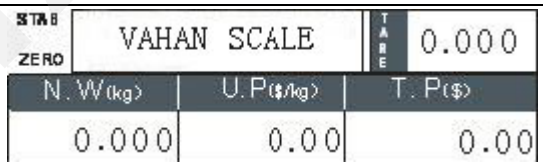
4. Please confirm printer filled paper correctly before startup；

3.2 Startup

Operation	Display
Confirm nothing on scale pan，turn on power switch	

3.3 Zero manually

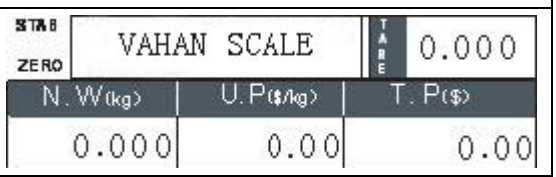
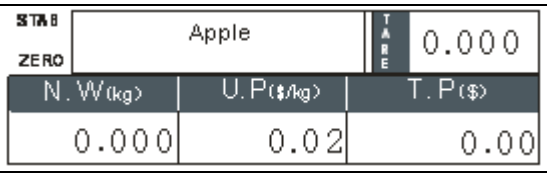
After using a certain time，electronic scale occurs zero offset；or needs zero setup, then press "zero" key to zero manually。

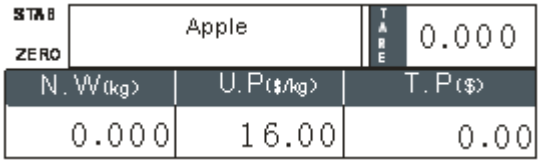
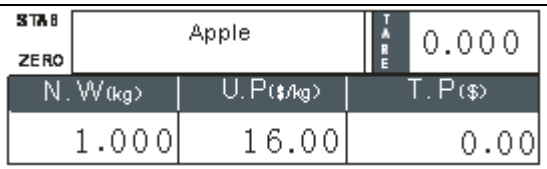
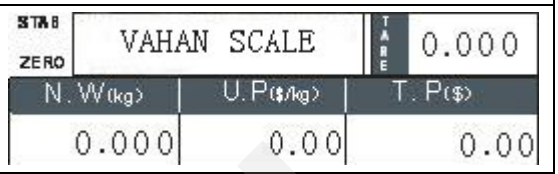
Operation	Display
Display N.W numerical value when no-load	
Press ZERO	

Notice：if real needed，either put light tray on scale plate or manually zero to bring back zero digit；the manually zero scope can't exceed 4% of max weight capacity。

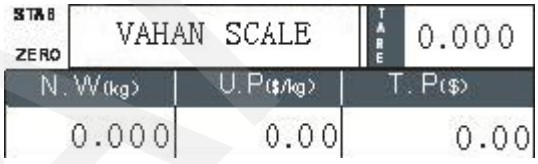
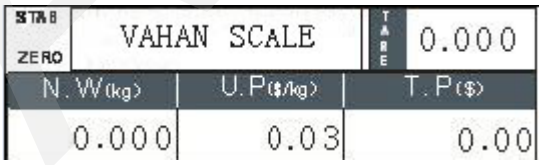
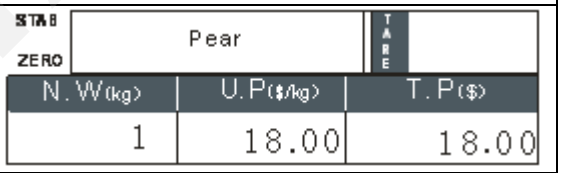
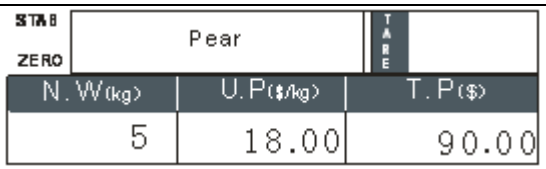
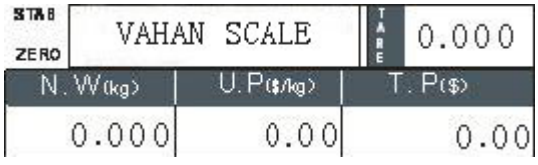
3.4 Sale

3.4.1 Weighing pricing sale

Operation	**Display**
Standby	
Input PLU code, (e.g NO.2 PLU) ,then press 2	

Press PLU now display no.2 PLU commodity unit price on uni t price window, e.g: 16 RMB/kg	
Put on goods for weighting(e.g weight 1 kg)	
Press PRINT to print bill list, take away commodities, return to zero status	

3.4.2 Counting pricing sale

Operation	Display
Standby	
Input PLU code(e.g No.3 PLU), then press 3	
Now display No.3 PLU commodity's unit price, e.g 18RMB/pc	
If only sell one pc commodity, press print button to print directly, If sell more than one commdities to input real quantity(e.g 5 pcs) , press 5, and press MUTI	
Press print PRINT button to print	

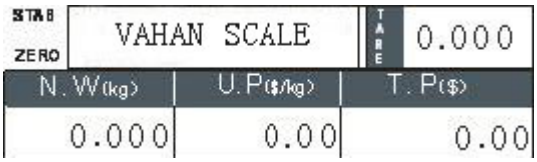
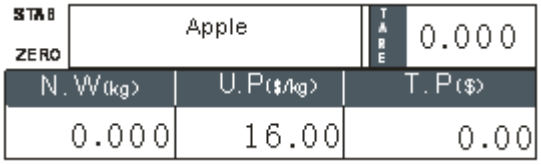
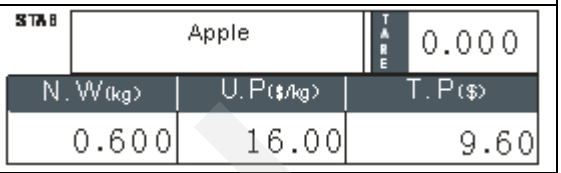
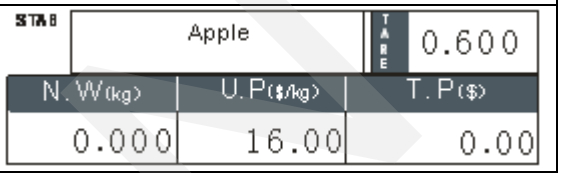
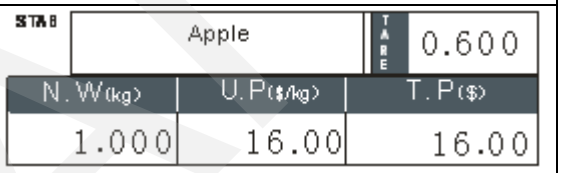
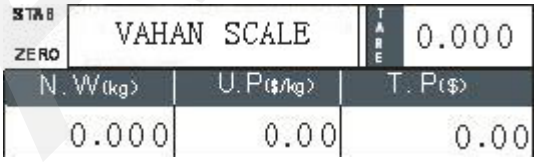
3.4.3 Fixed weight pricing sale

Fixed weight commodity need to preset first,（details as 5.1PLU information edit）,To obtain PLU to print fixed weight commodity and then press PRINT directly。

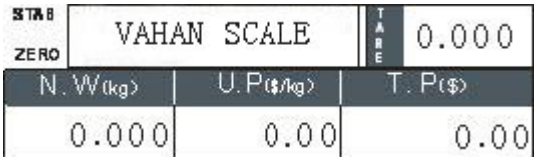
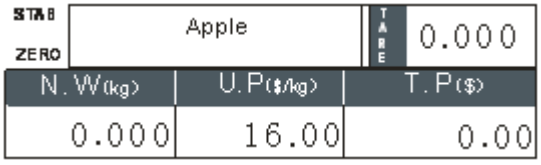
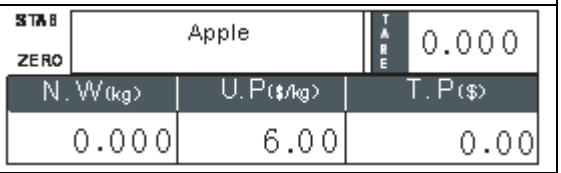
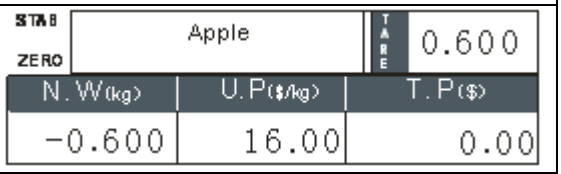
3.5 Tare

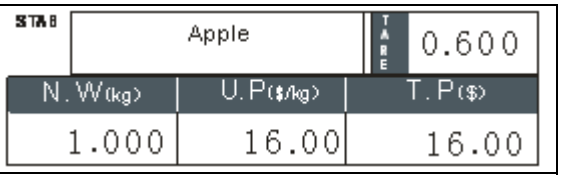
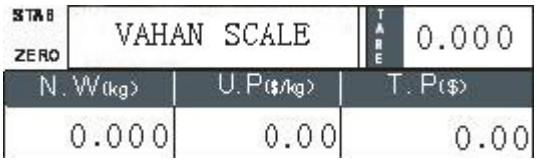
The scale can achieve tare in three methods：preset tare、object tare、numerical tare。Preset tare refer to PLU setup，it introduced in PLU setup chapter。Below is object tare and numerical tare setup steps。

3.5.1 Object tare

Operation	Display
Standby	
Obtaining No.2 PLU, (as up section 3.4.1), Press 2 and PLU	
Put on good of tare,(e.g: one weight 600g tray)	
Press TARE	
Put on goods for weighing（e.g:weight 1 kg）	
Press PRINT to print bill,take away goods and tray	

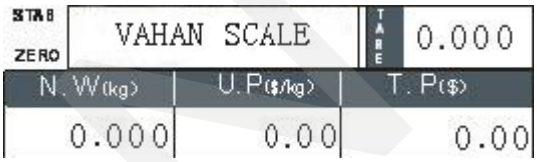
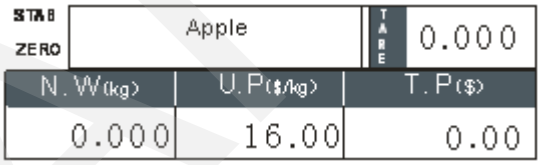
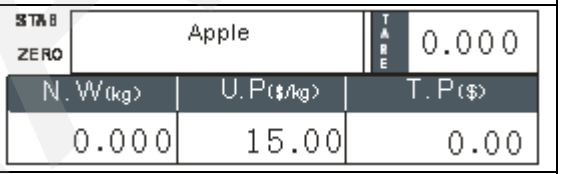
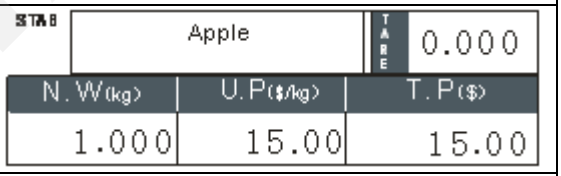
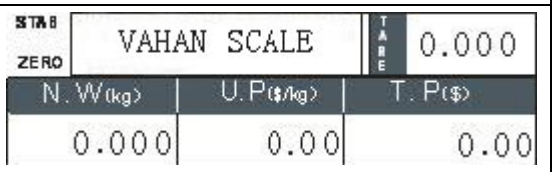
3.5.2 Numerical tare

Operation	Display
Standby	
Call out No.2 PLU first (as up section 3.4.1),press 2 and PLU	
Input tare weight value of known goods （e.g : tare 600g）	
Press TARE	

Put on goods with tare（such as commodity N.W 1kg, tare 600g）	
Press PRINT to print bill, take down goods	

3.6 Alter unit price

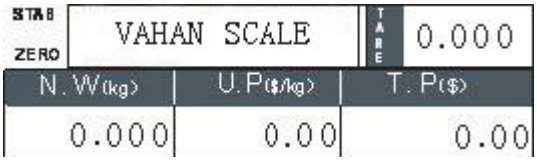
Notice：only under discount manually setup state,（details please consult 4.1 discount setup in chapter system parameter setup），only after that user can modify unit price。

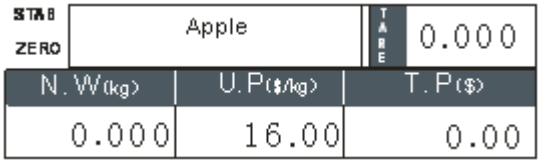
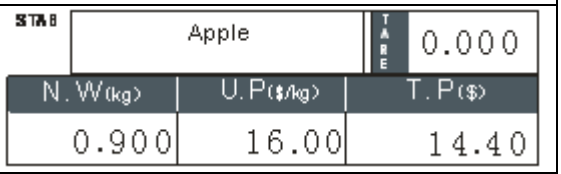
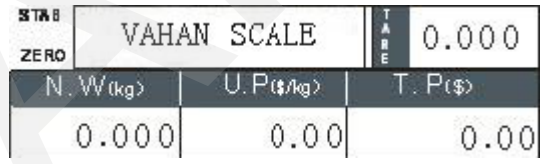
Operation	Display
Standby	
Obtain No.2 PLU first,(as up section 3.4.1), and then press 2 and PLU	
Input new unit price (e.g:15 RMB/kg)	
Put on goods for weighing(e.g: something weight 1kg)	
Press PRINT to print bill ,take down commodities	

※ Above operations just under permit to alter unit price system setup state effective，alter unit price temporarily and new price after printed wouldn't be saved；if need to alter price completely，please reference to 5.1 PLU information edit。

3.7 Discount

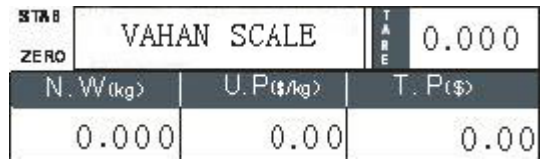
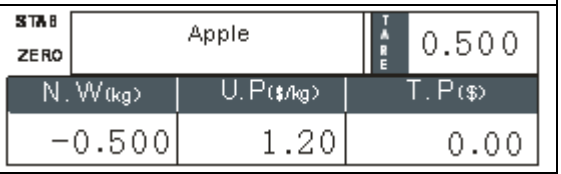
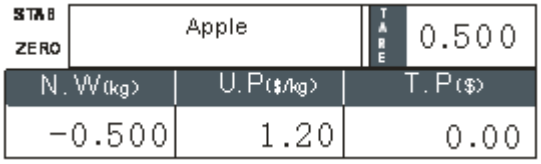
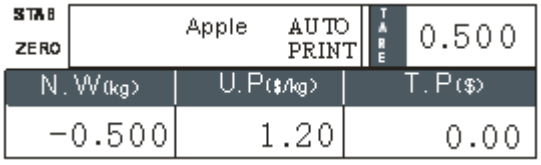
Support to alter unit price discount，but it based on a Premise that preset unit price is nonzero in commodity information。

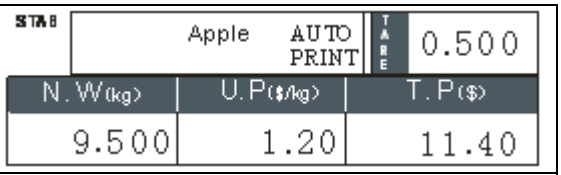
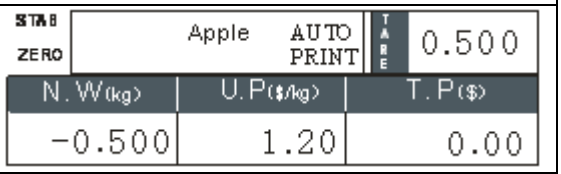
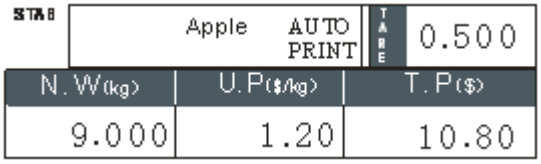
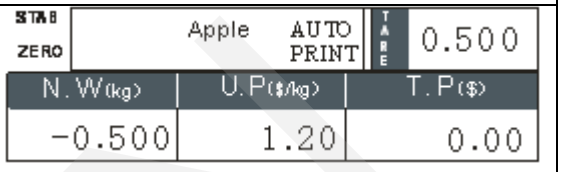
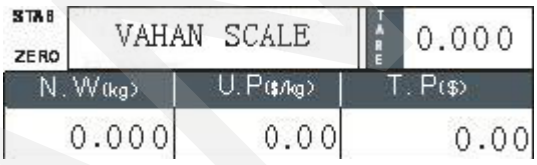
Operation	Display
Standby	

Obtain No.2 PLU code(such as up section 3.4.1),and then press ❷ and PLU	
Put on goods, suppose goods weight 0.900kg	
press DISCOUNT	
Input percentage of discount,as 20% discount off,then input “80”	
Press ENTER	
Press PRINT to print bill ,take down goods	

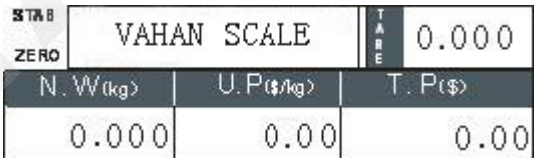
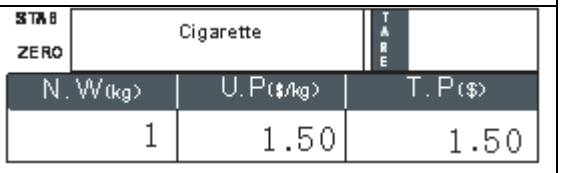
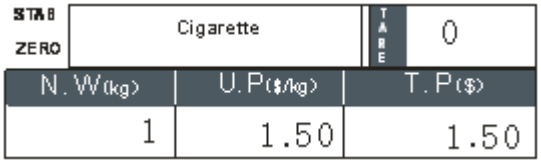
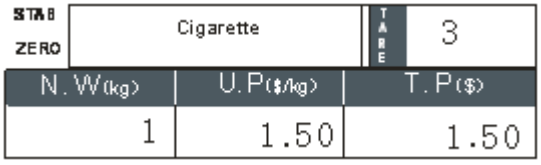
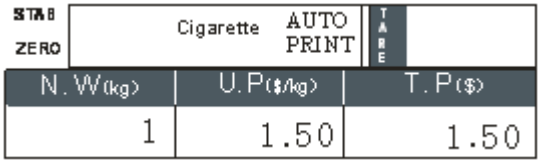
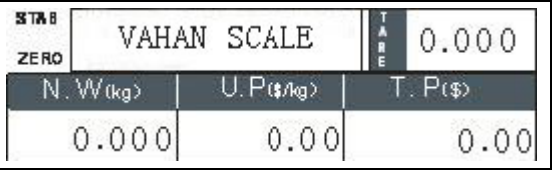
3.8Auto print

3.8.1Autoprint(weighing pricing)

Operation	Display
Standby	
Press PLU shortcut key (as No.6 button,and suppose No.6 button correspond to whole case apples,preset unit price is ￥1.20/kg,weight 500g)	
Press FUNC	
Press PRINT button in 5 seconds	

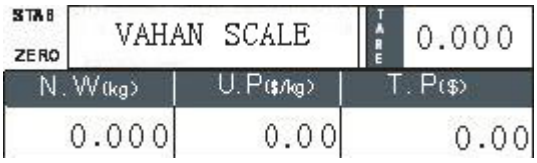
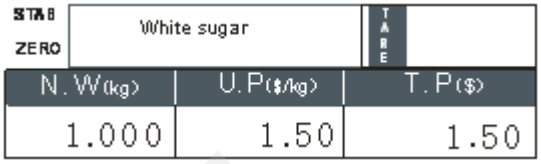
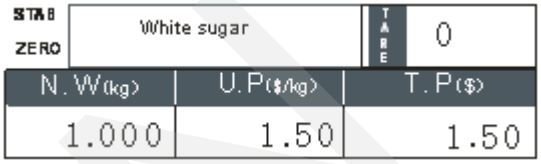
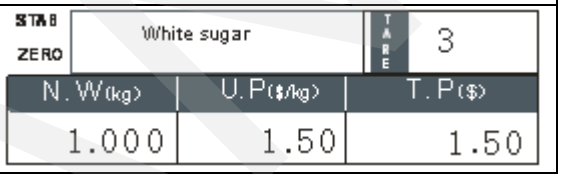
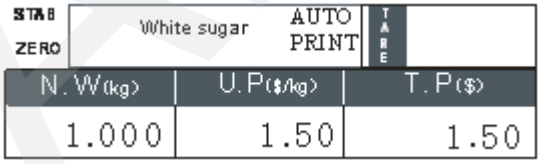
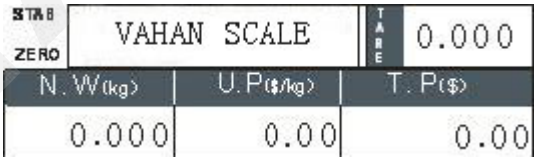
Put on 1st case apple(suppose 10kg),after getting steady , auto printing label	
Take down apple	
Put on 2nd case apple (as 9.5 kg),after getting stable, auto printing label	
Take down apple,to repeat up steps	
After weighing all of goods, press clear and log out auto printing, return to standby	

3.8.2Autoprint(Counting pricing mode)

Operation	Display
Standby	
Press PLU shortcut key (as No.7 key, suppose No.7 correspond to cigarette ,unit price is ￥1.50 / pack)	
Press FUNC, press PRINT in 5 seconds	
Press number key,input interval seconds on tare window, e.g:3 seconds ,press 3	
Press ENTER ,auto printing 1st lable,and will print one lable every other 3 seconds	
Press CLEAR ,end printing ,bring back standby	

Notice：input interval seconds between 1~5 seconds ,for round numbers。

3.8.3 Autoprint(Fixed weight pricing mode)

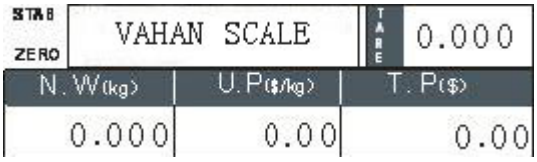
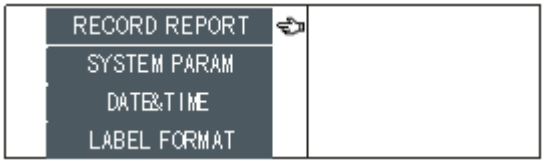
Operation	Display
Steadby	
Press PLU shortcut key,(e.g: No.8 button,and suppose correspond to white sugar,unit price is 1.50RMB/Kg,weighting mode is fixed weight)	
Press FUNC, press PRINT in 5 seconds, appear “zero” in tare window,meanwhile it twinkling	
Press number key, input interval seconds,e.g: 3 seconds ,press 3	
Press ENTER , auto print 1st lable, and will print once every other 3 seconds	
Press CLEAR, end printing,bring back standby	

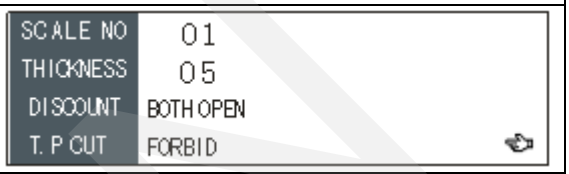
Notice：input interval seconds between 1~5 seconds for round numbers。

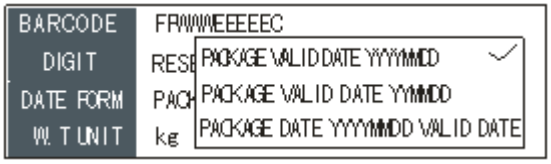
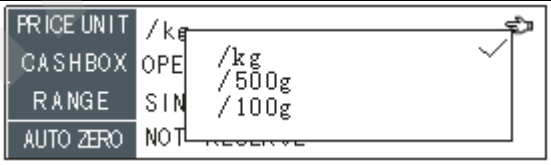
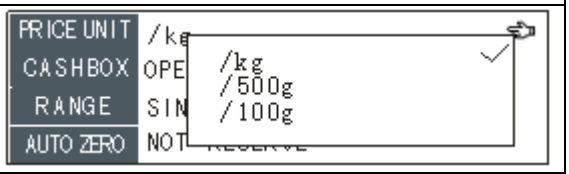
Chapter IV Setup

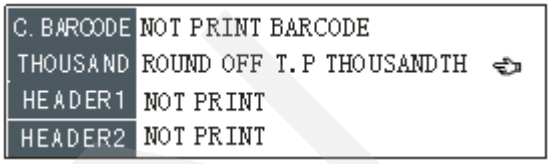
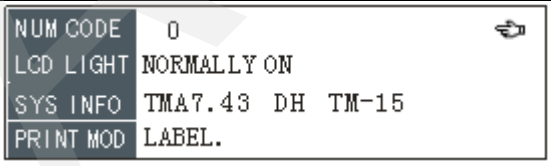
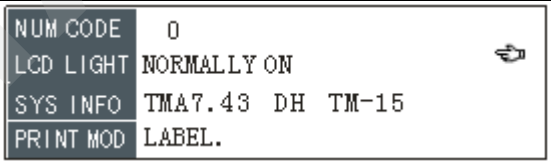
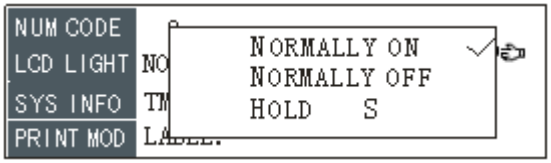
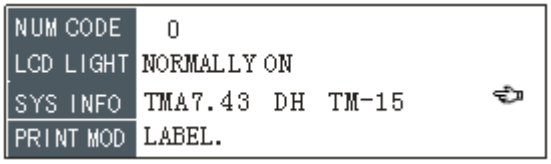
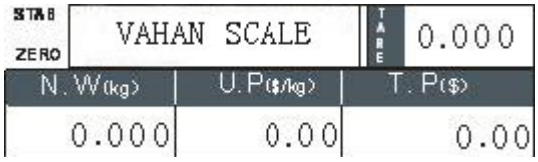
4.1 System parameter setup

Notice：tare for next step, zero for up step，discount for next page，multiple for up page.

Operation	Display
Standby	
Press function, press tare, select system parameter setup	

Press enter, set scale code, XX stand for original scale code,scale code range: 00－99 for instance:set scale code 12, then press 	
Press tare, set print chroma, thickness scope 01－10, for instance: thickness is 5 ,then press 5(the item is defaulted from factory 05)	
Press tare,set discount price limit,(a).total price not been allowed to discount,b).neither unit price nor total price allowed to discount c).unit price not been allowed to discount d).both unit price and total price beel allowed to discount) default setting from factory is d	
Press tare,set whether total price can ignore decimals, this type scale not support this function	
Press multiple get into next page, according to set code type, type definition as follows: 1: 8 bits code(1F＋6W +C) 2: 13 bits code (1F＋6W＋5E/N＋C) 3: 18 bits code positive face (1F＋6W＋5E+5N+C) 4: 18 bits code negative face (1F＋6W＋5E+5N+O) 5: 13 bits code (2F＋5W＋5E/N＋C) 6: 13 bits code (12D＋C) 7: 18 bits code positive face (2F＋5W＋5E+5N+C) 8: 18 bits code negative face (2F＋5W＋5E+5N+O) Press enter get into select code type,thereinto: W is commodity code ,E is amount N is weight C is positive checkcode D is code O is negative checkcode number stands for digit	
Press TARE or ZERO to choose code form by moving up and down,press ENTER to confirm	
Press TARE ,set amount digit,press ENTER to choose, (1)reserve decimal places (2)round-off,not cut bit (3)round-off,cut bit(4)round-off	
Press TARE or ZERO to choose amount digit setting by moving up and down,press ENTER to confirm	

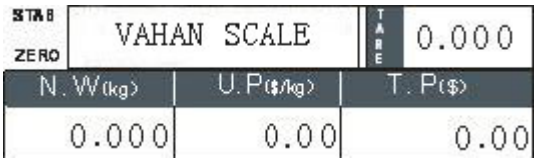
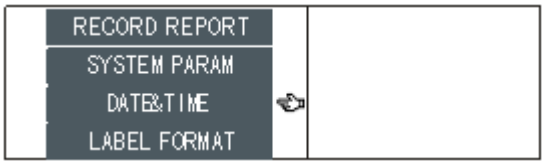
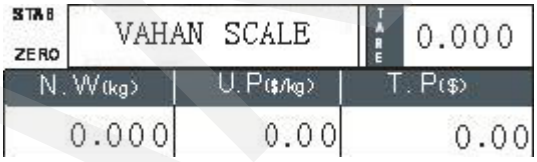
Press TARE,to set date format; ① yyyymmdd：package,effective date ② yymmdd：package,effective date ③ yyyymmdd：package date ,effective days ④ yymmdd：package date ,effective days	
press TARE or ZERO to choose date format by moving up and down,press ENTER to confirm	
press TARE , set weight unit ①－kg；②－500g；③－100g;④-50g;⑤－10g；⑥-g (Default setting is kg)	
Press TARE or ZERO to choose weight unit by moving up and down,press ENTER to confirm	
Press MUTI get into next page,press ENTER to set unit price unit ①－/kg；②－/500g；③－/100g；④－/50g；⑤－/10g;⑥－/g （Default setting is kg）	
press TARE or ZERO to choose unit price unit by moving up and down,press ENTER to confirm	
press TARE to set cashbox drive , ①drive off②drive on （Default setting is drive on）	
press TARE or ZERO to choose drive on or off by moving up and down,press ENTER to confirm	
press TARE,set double measuring range ①single measuring range②double measuring range （Default setting is single measuring range）	
press TARE or ZERO to choose single measuring range or double measuring range ,press ENTER to confirm	

press TARE to set reserve unit price after printing ①reserve②unreserve （Default setting is unreserve）	
press TARE or ZERO to choose reserve or unreserve by moving up and down；,press ENTER to confirm	
press MUTI turn to next page , to set continuing paper print code （this type scale have no this function）	
press TARE to set amount one thousandths digit ①Delete one thousandths digit ②round-off one thousandths digit （default setting delete one thousandths digit）	
press TARE, set continuing paper gauge head1-4. gauge trail 5-8, entirety font,shop name font,printing exchange etc.information （this type have no this function）	
press TARE ,set code bit,input code bits by pressing number key (05 or 06 two choices)	
pres TARE,set backlight setting①normally on；② normally off； ③ waiting for seconds	
press TARE or ZERO to choose backlight by moving up and down,press ENTER to confirm	
Press TARE,look up electronic scale factory information	
Press PRINT , TARE or ZERO to select save or don't save ,then return to standby	

Notice：Press ENTER to save and logout, press CLEAR to logout directly without save。

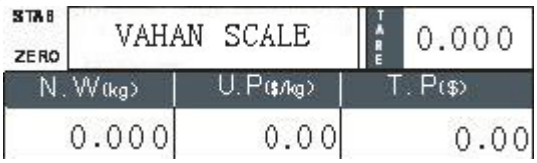
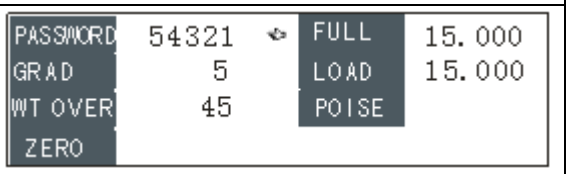
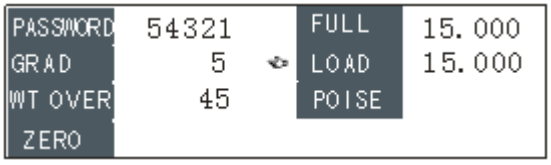
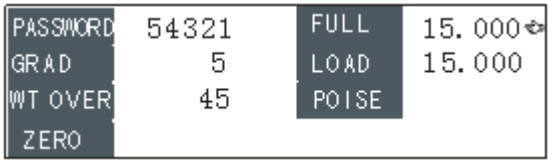
4.2 System date setup

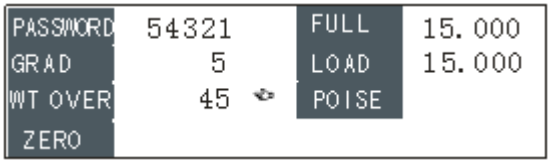
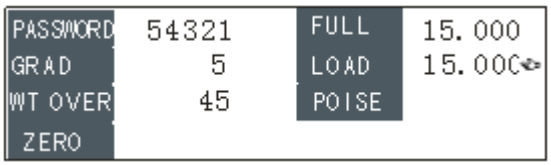
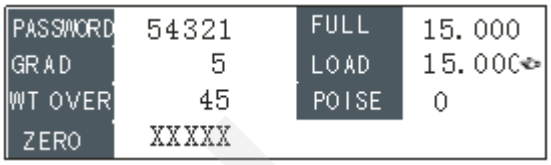
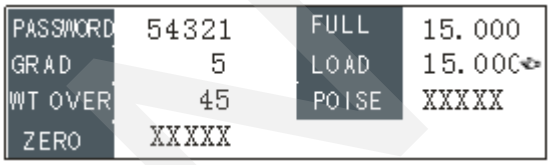
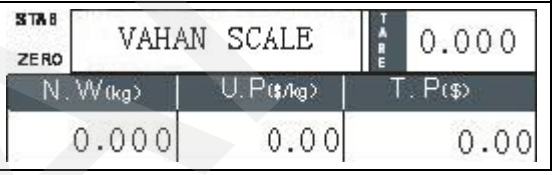
This scale has clock own，user can reset system date and time。

Operation	Display
Standby	
Press FUNC, press TARE to choose system time setup	
Press number key to input date and time, press TARE or ZERO to choose left right movement.	
Press PRINT, TARE or ZERO choose save or not then logout.	

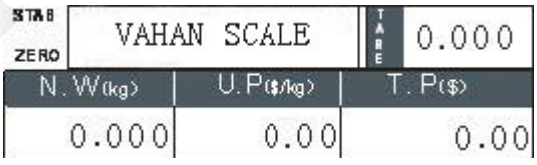
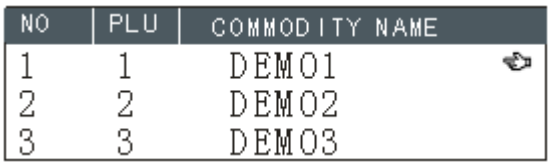
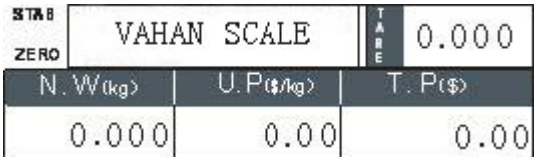
4.3 Weight calibration（adjustment）

Weight calibration password is“54321”.Display weight calibration in setup item only when calibration switch on。Notice：user password must be set for five bits number and first bit nonzero.

Operation	Display
Standby	
Press FUNC, press MUTI, to choose the last option	
Press ENTER, input password,pasword is 54321, press 54321	
Press ENTER, setting up division value; e.g 15kg scale for 5g, press 5, division value is 1/3000 of max capacity	
Press ENTER, setting up max capacity; for instance 15kg,press 15000	

Press [ENTER], setting up overloaded; general for nine times division value; for instance 45g, press 45	
Press [ENTER], setting up loaded value; e.g 15kg,press 15000, (add loaded should not lower than 1/3 of max capacity and not exceed max capacity)	
Press [ENTER], get into zero state; ensure no-load on scale tray (namely there is nothing on scale tray), there is a value in zero bit	
Indicate steady, press [ENTER], get into loaded value state; after indicating steady, put on the same amount poises as loaded value.	
After ISN getting steady and the steady indicator on, press [ENTER] to logout	

4.4 Shortcut key setup

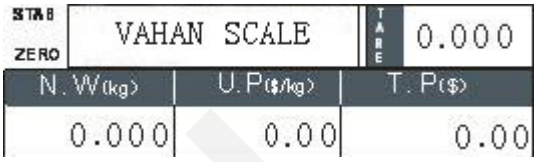
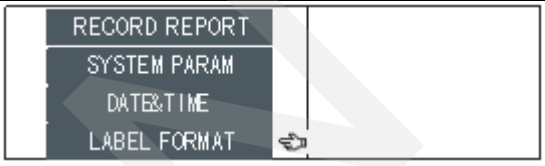
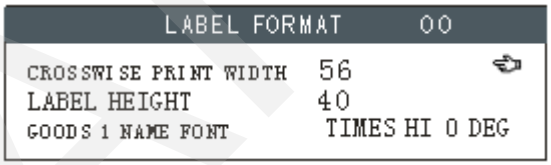
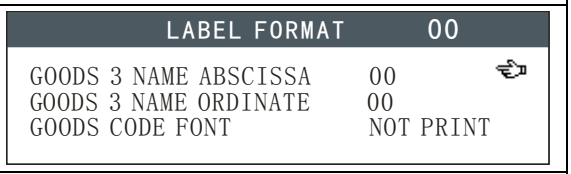
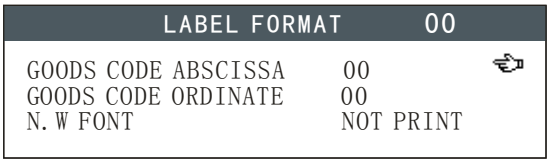
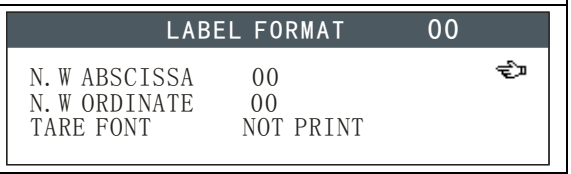
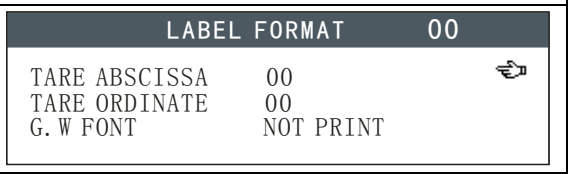
Operation	Display
standby	
Press [FUNC], enter into setup interface, press [MUTI] into page turning , select shortkey setup;	
press [ENTER], log in shortkey setup interface, input correspond PLU code, press [TARE], get into 2nd shortkey setup	
……	
Press [PRINT], [TARE] or [ZERO] select save or not and quit out to standby。	
Press [ENTER], save and return to standby state	

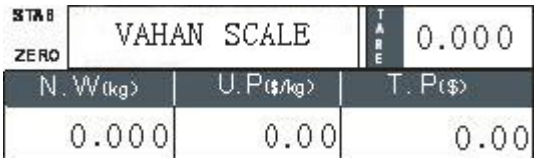
4.5 Lable format setup

Lable format setup is divided into universal part format setup and Text part format setup；

Universal part format main include print content：commodity name、net weight、tare weight、gross weight、unit price 、total price、package date、effective date、special information、bar code etc；Text formate print content can be defined freedom（content edit detail reference to“5.3 Text edit”）。

4.5.1 Universal part format setup

Operation	display
Standby	
Press FUNC, get into lable format setup interfae，00 means lable number	
Press ENTER, set print width etc，for instance width is 56，press 5 6	
Press MUTI get into next page	
Press MUTI get into next page	
Press MUTI get in next page，the half in commodity code font setting means SBC case and half-angle	
press MUTI get in next page set	
press MUTI get in next page set	
press MUTI get in next page set	
.....	

press MUTI get in next page set	
Press PRINT, TARE or ZERO select save or not，press CLEAR then save and quit out to standby state。	

Specific parameters for every lable format as follows ：

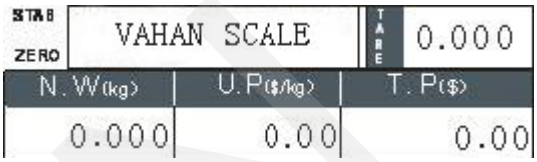
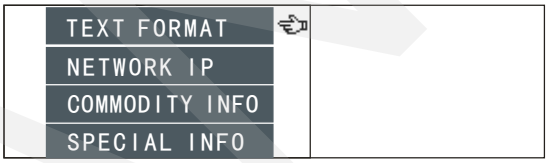
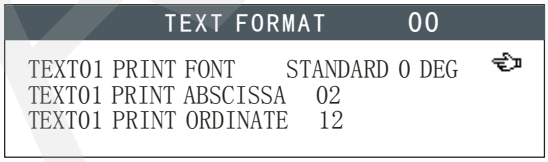
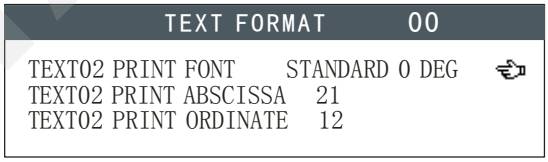
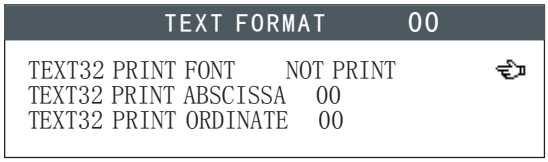
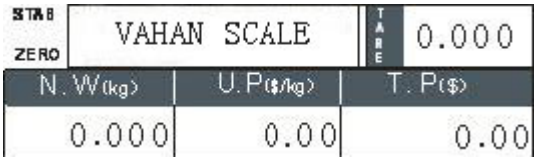
Parameter title	Parameter description
crosswise print width	Input lable width millimeter number ， max 56
lable lengthways length	Input lable height millimeter number，max 99
commodity name 1 print font	Standard/noprint/magnify/multiplewidth/multipleheight 180/270/no rotate/90
Commodity name 1 print position x-axis	Distance with positive font upper left as starting point forward right in millimeter number(similarly hereinafter)
Commodity name 1 print position y-axis	Distance with positive font upper left as starting point downward in millimeter
Commodity name 2 print font	Standtard /no print/magnify/multiple width/multiple height 180/270/no rotate/90
Commodity name 2 print position x-axis	
Commodity name 2 print position y-axis	
Commodity name 3 print font	Standard /no print/magnify/times width/times height 180/270/no rotate/90
Commodity name 3 print position x-axis	
Commodity name 3 print position y-axis	
Commodity code print font	Standard /no print /magnify/times width/times height 180/270/no rotate/90 semiangle/SBC case
Commodity code print position x-axis	
Commodity code print position y-axis	
N.W print font	Standard /no print/magnify/times width/times height 180/270/no rotate/90 semiangle/SBC case
N.W print position x-axis	
N.W print position y-axis	
Tare print font	Standard /no print/magnify/times width/times height 180/270/no rotate/90 semiangle/SBC case
Tare print position x-axis	
Tare print position y-axis	
G.W print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
G.W print position x-axis	
G.W print position y-axis	
Unit price print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Unit price print position x-axis	
Unit price print position y-axis	
Total price print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case

Total price print position x-axis	
Total price print position y-axis	
Flexible N.W print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Flexible N.W print position x-axis	
Flexible N.W print position y-axis	
Flexible unit price print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Flexible unit price print position x-axis	
Flexible unit price print position y-axis	
Unit price after discount print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Unit price after discount print position x-axis	
Unit price after discount print position y-axis	
Total price after discount print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Total price after discount print position x-axis	
Total price after discount print position y-axis	
Date print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Date print position x-axis	
Date print position y-axis	
Time print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Time print position x-axis	
Time print position y-axis	
Guarantee period print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Guarantee period print position x-axis	
Guarantee period print position y-axis	
Department number print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Department number print position x-axis	
Department number print position y-axis	
Store name print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Store name print position x-axis	
Store name print position y-axis	
Particular information 1 print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case

Particular information 1 print position x-axis	
Particular information 1 print position y-axis	
Particular information 2 print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Particular information 2 print position x-axis	
Particular information 2 print position y-axis	
Particular information 3 print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Particular information 3 print position x-axis	
Particular information 3 print position y-axis	
13 digits code print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
13 digits code print position x-axis	
13 digits code print position y-axis	
Tag serie number print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Tag serie number print position x-axis	
Tag serie number print position y-axis	
Main bar code print font	Standard /no print/magnify/times width/times height 180/270/ no rotate/90 semiangle/SBC case
Main bar code print position x-axis	
Main bar code print position y-axis	

Main bar code print height	00～10

4.5.2 Text part format setup

Operation	Display
Standby	
Press FUNC , get in text format setup interface	
Press ENTER , text format edit interface	
Press MUTI get in next setup	 
.....	
Press MUTI get in tha last page setup	
Press PRINT , TARE or ZERO select save or not ，press CLEAR to save then return to standby state。	

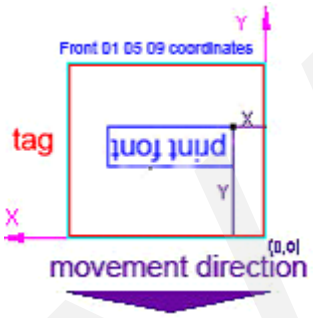
Parameter title	Parameter description
Text1（default:“store name” ）print font	Numerical area：00～16（ similarly hereinafter ）
Text1 print position x-axis	Distance with positive font upper left as starting point forwards right millimeters （similarly hereinafter）
Text1 print position y-axis	Distance with positive font upper left as startingpoint downward millimeter（similarly hereinafter）
Text2（default “N.W”）print font	
Text2 print position x-axis	
Text2 print position y-axis	
Text3（default “unit price”）print font	
Text3 print position x-axis	
Text3 print position y-axis	
Text4（ default “total price”）print font	
Text4 print position x-axis	
Text4 print position y-axis	
Text5（ default “date of manufacture”）print font	
Text5 print position x-axis	
Text5 print position y-axis	
Text6（default “guarantee period”） print font	
Text6 print position x-axis	
Text6 print position y-axis	
Text7（ default “tare”） print font	
Text7 print position x-axis	
Text7 print position y-axis	
Text8（ default “G.W”） print font	
Text8 print position x-axis	
Text8 print position y-axis	
Text9（ default “Text9”） print font	
Text9 print position x-axis	
Text9 print position y-axis	
Text10（ default “Text10”） print font	
Text10 print position x-axis	
Text10 print position y-axis	
Text11（ default “Text11”） print font	
Text11 print position x-axis	
Text11 print position y-axis	
Text12（ default “Text12”） print font	
Text12 print position x-axis	
Text12 print position y-axis	
Text13（ default “Text13”） print font	
Text13 print position x-axis	
Text13 print position y-axis	
Text14（ default “Text14”） print font	
Text14 print position x-axis	
Text14 print position y-axis	
Text15（ default “yuan”） print font	
Text15 print position x-axis	
Text15 print position y-axis	

Text16（ default “yuan”） print font	
Text16 print position x-axis	
Text16 print position y-axis	
Text17（ default “Text17”） print font	
Text17 print position x-axis	
Text17 print position y-axis	
Text18（ default “Text18”） print font	
Text18 print position x-axis	
Text18 print position y-axis	
Text19（ default “(”） print font	
Text19 print position x-axis	
Text19 print position y-axis	
Text20（ default “(kg)”） print font	
Text20 print position x-axis	
Text20 print position y-axis	
Text21（ default “(”） print font	
Text21 print position x-axis	
Text21 print position y-axis	
Text22（ default “/kg)”） print font	
Text22 print position x-axis	
Text22 print position y-axis	
Text23（ default “）”） print font	
Text23 print position x-axis	
Text23 print position y-axis	
Text24（ default “（Kg）”） print font	
Text24 print position x-axis	
Text24 print position y-axis	
Text25（ default “（Kg）”） print font	
Text25 print position x-axis	
Text25 print position y-axis	
Text26（ default “Text26”） print font	
Text26 print position x-axis	
Text26 print position y-axis	
Text27（ default “Text27”） print font	
Text27 print position x-axis	
Text27 print position y-axis	
Text28（ default “Text28”） print font	

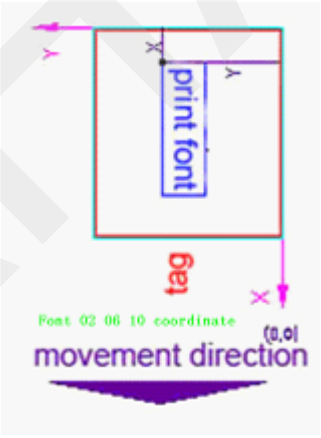
Text28 print position x-axis	
Text28 print position y-axis	
Text29（ default “Text29”） print font	
Text29 print position x-axis	
Text29 print position y-axis	
Text30（ default “Text30”） print font	
Text30 print position x-axis	
Text30 print position y-axis	
Text31（ default “Text31”） print font	
Text31 print position x-axis	
Text31 print position y-axis	
Text32（ default “Text32”） print font	
Text32 print position x-axis	
Text32 print position y-axis	
NULL	

4.5.3 Print font instruction

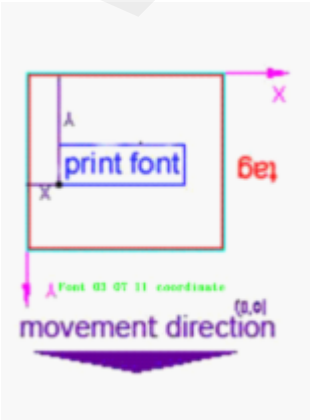
Print direction illustration：



Font：01、05、09、13、17、21、25、29



Font：02、06、10、14、18、22、26、30



Font：03、07、11、15、19、23、27、31

Font：04、08、12、16、20、24、28、32

Font size state：

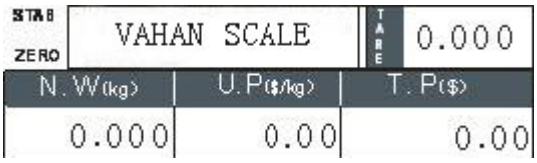
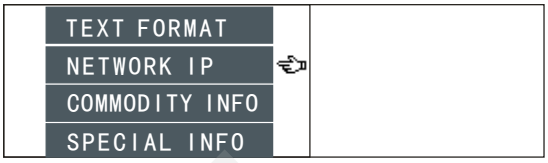
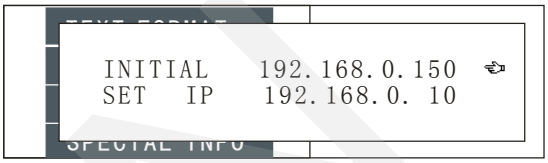
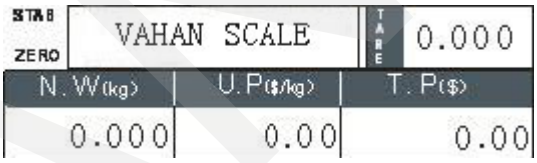
Font size	Size mm （chinese /character）	Angle of rotation （as shown to up chart）	Sample text （chinese/character）
1	3×3/1.5×3	180 °	
2	3×3/1.5×3	90 °	
3	3×3/1.5×3	0 °	
4	3×3/1.5×3	270 °	
5	6×6/3×6	180 °	
6	6×6/3×6	90 °	
7	6×6/3×6	0 °	
8	6×6/3×6	270 °	
9	6×3/3×3	180 °	
10	6×3/3×3	90 °	
11	6×3/3×3	0 °	
12	6×3/3×3	270 °	
13	3×6/1.5×6	180 °	
14	3×6/1.5×6	90 °	
15	3×6/1.5×6	0 °	
16	3×6/1.5×6	270 °	
17	none/1×2	180 °	
18	none /1×2	90 °	
19	none /1×2	0 °	
20	none /1×2	270 °	
21	none /2×4	180 °	
22	none /2×4	90 °	
23	none /2×4	0 °	
24	none /2×4	270 °	
25	none /2×2	180 °	
26	none /2×2	90 °	
27	none /2×2	0 °	
28	none /2×2	270 °	
29	none /1×4	180 °	
30	none /1×4	90 °	
31	none /1×4	0 °	
32	none /1×4	270 °	

4.6 IP Address setup

※ *This setup apply to ethernet electronic scale*

4.6.1 Initialization network card IP Address

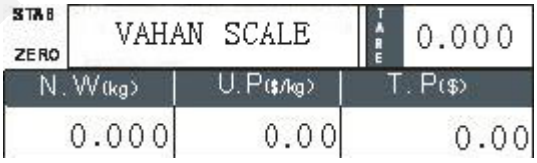
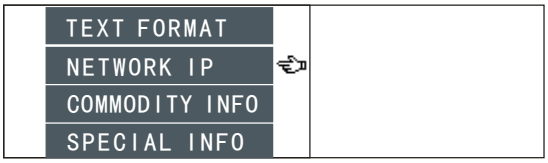
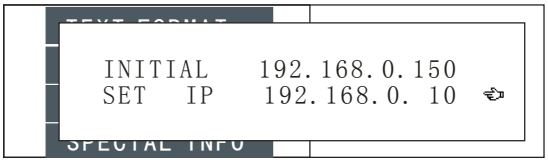
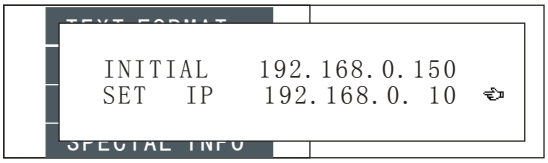
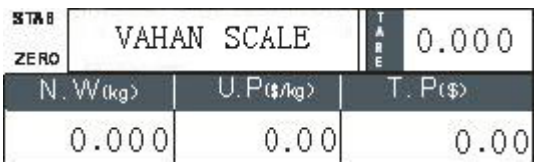
Initialization nerwork card IP address

Operation	Display
Standby	
Press FUNC	
Press ENTER	
Press ENTER, initialization network IP address, go back to standby state	

After initializing network, IP address of network is :192.168.0.150

4.6.2 Manually modity network IP address

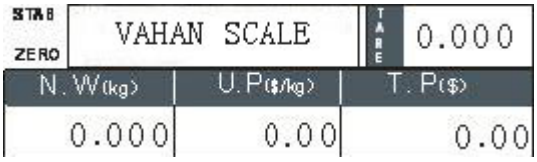
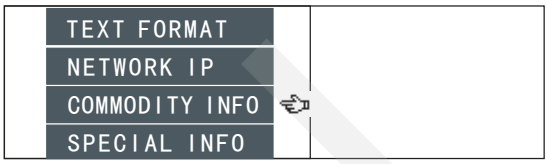
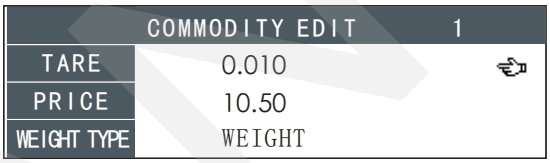
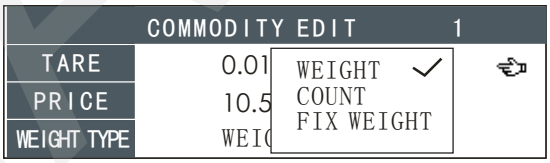
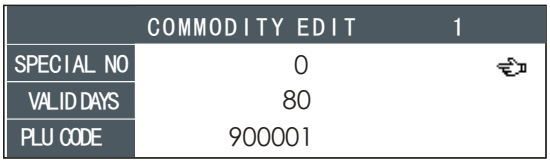
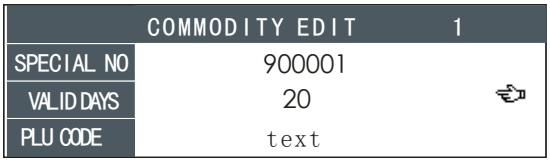
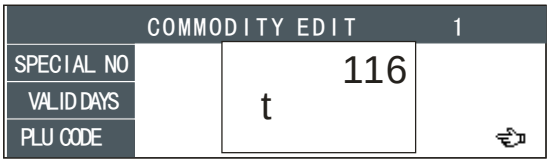
Manually modify network IP address (For instance change IP to: 192.168.0.10)

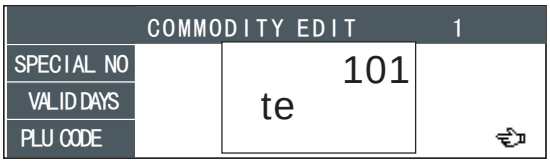
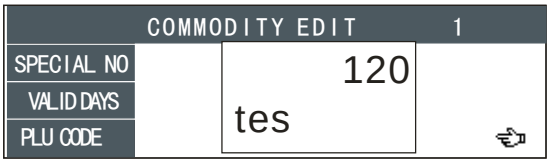
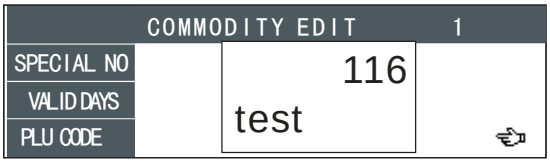
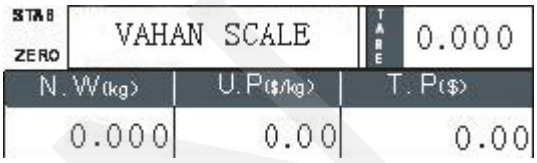
Operation	Display
Standby	
Press FUNC	
Press ENTER, press TARE	
Press ENTER, input 192 , press TARE input 168, press TARE input 0, press TARE input 10	
Press PRINT , TARE or ZERO select save or not , press CLEAR to save and then return to standby state.	

Chapter Ⅴ Content edit

5.1 PLU information edit

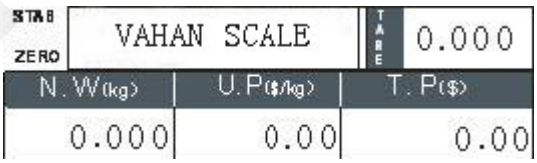
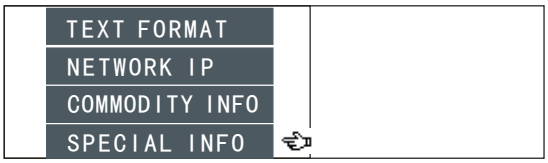
This scale can store 4000 PLU

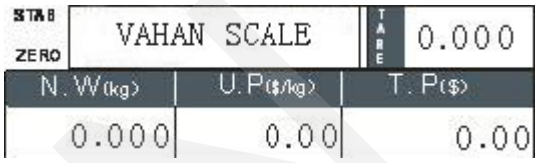
Step	Operation	Display
0	Standby	
1	Press FUNC get in commodity information setup item	
2	Press ENTER , input number key to select PLU, for instance : No. 2 PLU	
3	Press ENTER, input tare value,（notice：tare weight is fixed weight value under fixed weight mode state）; press TARE, input unit price（notice：price of per kilogram）; press TARE, then press ENTER, select computing price mode：①weighing ②counting ③fixed weight	
7	Press MUTI get in next page , press TARE, input particular information number（0，1，2，3）; press TARE, input effective days（max 999days ）; press TARE, input commodity code（5digits or 6digits）	
10	Press MUTI get in next page then press TARE, input zone bit of a bar code，suppose zone bit is 20，then input 20	
11	Press TARE, press ENTER , input commodity name，input 3 digits number of the 1st letter ASCII code （for example:input “test”，look up ASCII code table that is “t”=“116，）input 116	

12	Press TARE, input 3 digits number of the 2nd letter ASCII code（look up outcome “e”=“101”）then input 101	
13	Press TARE, input 3 digits of the 3rd letter ASCII code (“s”=“115”）input 115	
14	Press TARE, input 3 digits of the 4th letter ASCII code (“t”=“116”）input 116	
15	Press PRINT, TARE or ZERO select save or not，press CLEAR to save then return to standby state。	

5.2 Particular information edit

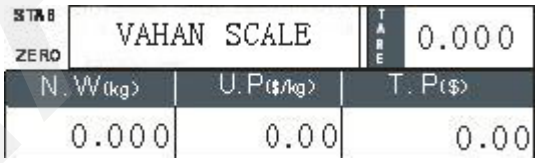
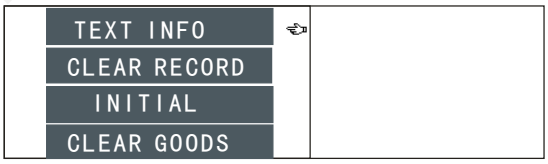
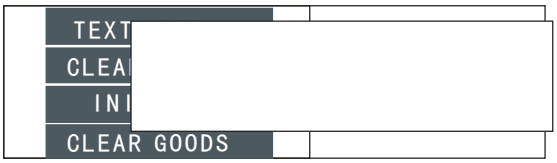
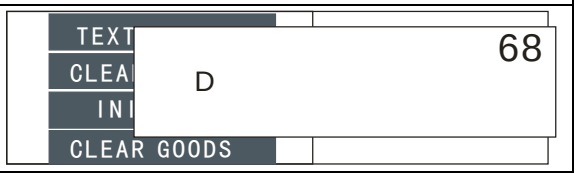
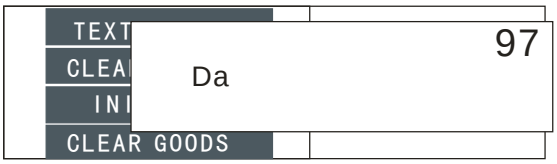
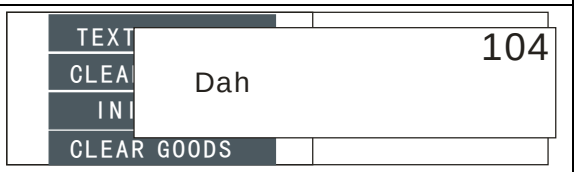
This scale can be set 10 hanzi particular information(number from 1~10) and 12 character particular information(number from 11~22),can obtain any 3 informations per PLU information to print if using lable paper; if using continuing paper , therein 1~4 hanzi particular information correspond 1~4 row to gauge head, 5~8 correspond 1~4 row to end of gauge. Max 30 hanzi per hanzi information, Max 30 characters per character information.

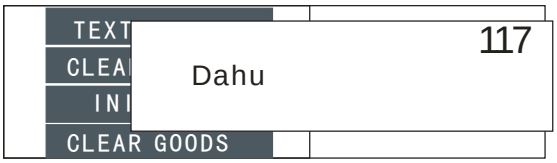
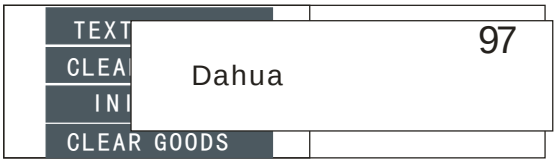
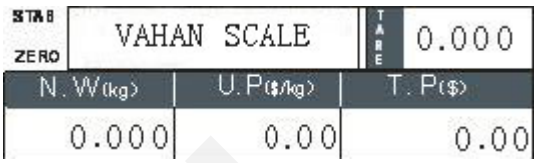
Operation	Display
Standby	
Press FUNC, select particular edit item	
Press ENTER, input number to choose particular information number，for example: No.1 particular information	
Press ENTER, start to edit the 1st particulaer information（e.g，input good)to input ASCII code correspond to the 1st letter “g”(“g”=103)	
Press TARE, input ASCII code correspond to the 2nd letter “o” (“o”=111)	

Press [TARE], input ASCII code correspond to the 3rd letter “o” (“o”=111)	
Press [TARE], input ASCII code correspond to the 4th letter “d” (“d”=100)	
Press [TARE], input 0000，then always input 0000 all following，break up compose particular information	
Press [PRINT], [TARE] or [ZERO] to select save or not， press [CLEAR] to save then return to standby state.	

5.3 Text edit

This scale can set 16 (from 1~16)hanzi text and 16 character information(from 17~32)；max 30 hanzi per hanzi text, max 30 character per characrer information。（notice：can use zone bit code to input hanzi text；use ASCII code to input character text。）

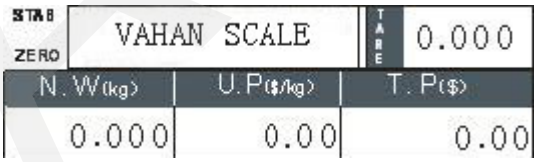
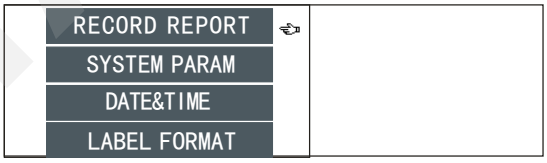
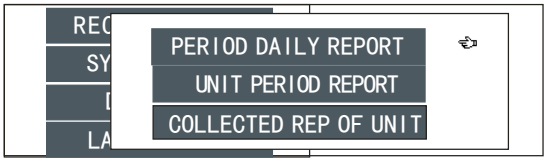
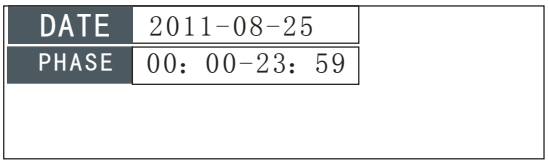
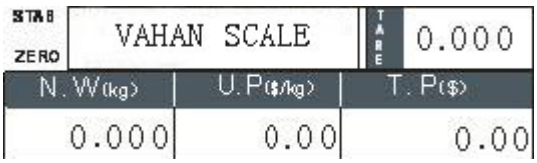
Operation	Display
Standby	
Press [FUNC], press [MUTI] twice ， get in edit text item	
Press [ENTER], input number to edit the 1st character text edit（e.g: Vahan）	
Press [ENTER], input the 1st letter ASCII code:(“D”=068)	
Press [TARE], input the 2nd letter ASCII code:(“a”=097)	
Press [TARE], input the 3rd letter ASCII code:(“h”=104)	

Press TARE, input the 4th letter ASCII code:(“u”=117)	
Press TARE, input the 5th letter ASCII code:(“a”=097)	
Press PRINT, TARE or ZERO to select save or not, press CLEAR to save then return to standby state.	

Chapter Ⅵ Statistic

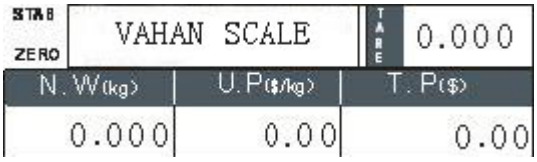
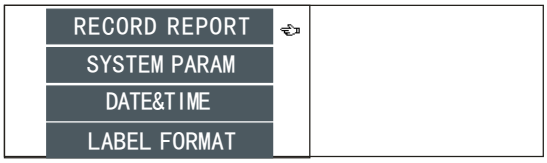
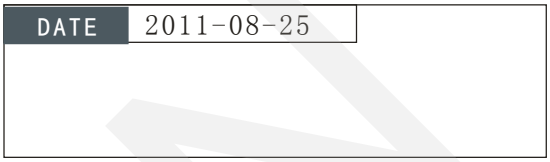
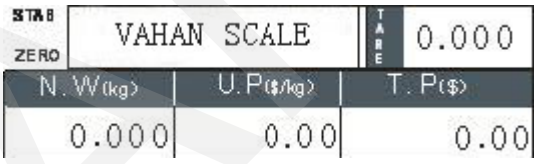
This scale can make time bucket daily report、sell daily report、single commodity daily report

6.1 Time slot daily report

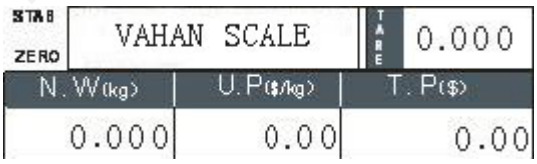
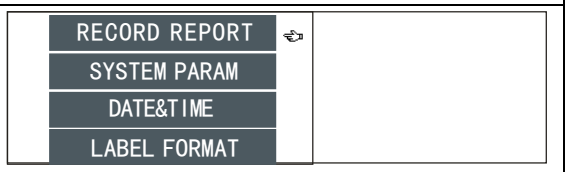
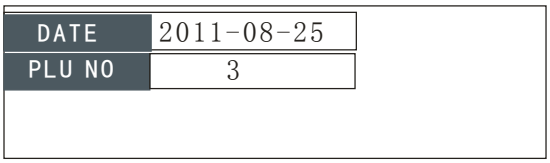
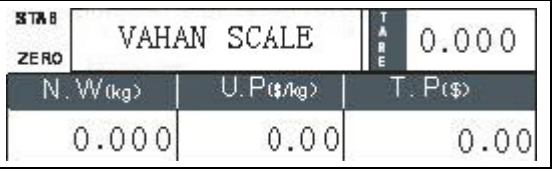
Operation	Display
Standby	
Press FUNC, get in report statistic setting item	
Press ENTER, get in time bucket daily report setting item	
Press ENTER, input year, press TARE, input month, press TARE, input date, prress TARE, input time, press ENTER to print	
Return to standby state	

6.2 Daily sell report

Operation	Display

Standby	
Press FUNC, get in report statistic item	
Press ENTER, then press MUTI, get in daily sell report item	
Press ENTER, input year, press TARE, input month, press TARE, input date , press ENTER to print.	
Return to standby	

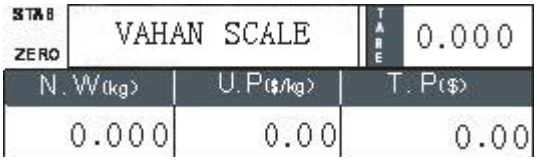
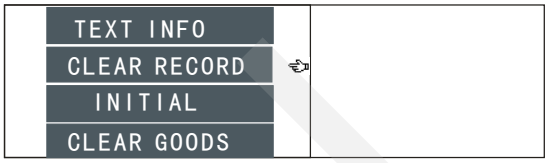
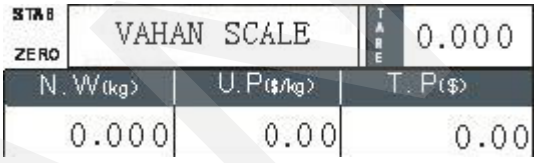
6.3 Single commodity time slot report

Operation	Display
Standby	
press ENTER,get into options of time slot daily report	
press ENTER,press MUTI,then press TARE,press ENTER, get into single commdity sell daily report	
press ENTER, input year , press TARE, input month ,press TARE ,input date,press TARE,input commodity serial number ,press ENTER printing	
return to standby	

Chapter Ⅶ Clear

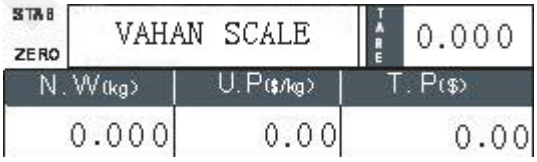
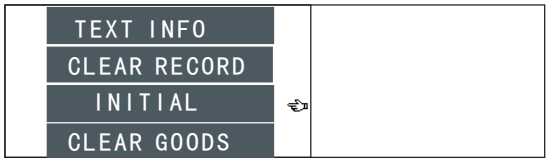
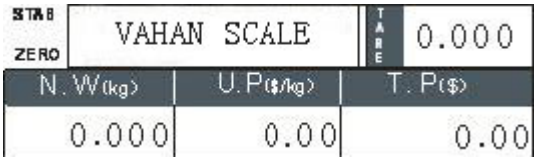
7.1 Clear away statistic data

Notice：carry out this command will delete all records of trade，and unrecoverable，please cautiously use the function。

Operation	Display
standby	
press ENTER, press MUTI get into options of clear statistics data	
press ENTER , after clear up return to standby	

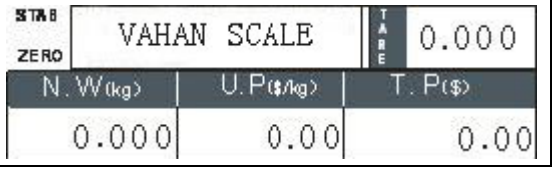
7.2 Initialize electronic information

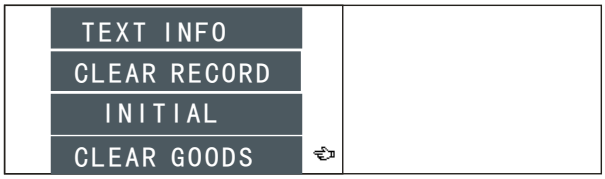
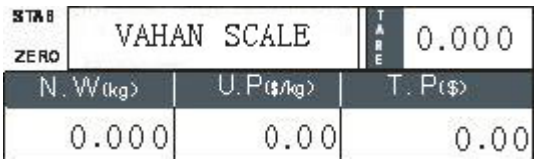
Remark：It will clear away all of the electronic scale information,including PLU information,lable information,repoerts, and all of correlative settings,，and unrecoverable，so please cautiously using this function。

Operation	Display
Standby	
Press ENTER, press MUTI get in initialize scale option	
Press ENTER, return to standby state after clear away	

7.3 Clear commodity information

Notice：This function for clearing away PLU information，and unrecoverable，please cautiously using this function。

Operation	Display
Standby	

press ENTER,press MUTI get into options of clear commodity information	
press MUTI,after clear return to standby	

Chapter VIII Computer installation software

8.1 System request

Operate system：

The PC software of this scale apply to WIN2000、WIN NT or higher version operate system.

8.2 Installation

The PC software of this scale generally using optical disk install automatically, namely：insert the optical disk into CD-driver，automatically popup install interface，according to prompts to step in。

8.3 Main function

User can achieve all sets of the scale through software，upload and download data etc,operations，details as follows ：

- ✓ Set、edit、upload and download PLU、particular information、Text content etc.all kinds of informations；
- ✓ Set PLU shortcut keys and print their content；
- ✓ Freedom design lable formats；
- ✓ Set up of system parameters ；
- ✓ Seek、edit electronic scale IP address；
- ✓ Upload and download lable format；
- ✓ Upload electronic scale sell detailed statement and print all kinds of comprehensive statements etc.。

Warning and matters need attention

Warning

- Using in following occasions for prohibition：

  1. Vibrate、wabbly occasions；
  2. Air-condition、fan wind blow straightly occasions；
  3. Dusty 、humid occasions；
  4. Flammable 、explosive occasions；

- Scale must connect to power socket with well ground connection，otherwise it will bring about personal injury。
- Scale connect to other devices，please make sure cut off power supply first at all，otherwise it will bring about scale and device be damaged。
- Prohibit to insert or pull out communication interface when power on or electronic scale is on work, e.g: parallel 、serial interface etc.。
- Prohibit for inserting and pulling out power supply plug under device non-shutdown。
- Printer used in this scale is thermal printer，using merely quality qualified thermal print paper，please make certain print paper type before fill in print paper，otherwise bring about printer head and printer irreversible damaged .

Matters need attention

- Put the scale on smooth terrace. Make sure spirit-bubble in the center of spirit level through adjusting four of the feet screws，to confirm the scale is under level state to ensure accurate of the weighing。
- If printer prints error or displays error, or cannot print promptly, all declare there are some malfunctions with the scale，first of all, inspect print paper if installs well，or print gauge joints well，checks any sundries on light sensation sensor. Should clean up printer、clean up print gauge ,clean up inside and outside the scale，and please scrub print gauge per month. The print paper should be dried then fill in.
- Fill in print paper anew，if the print key invalid or print error, adjust again, fill print paper afresh, check print paper.
- Please cautiously disassemble scale，don’t fall scale down and don’t shake the scale or strong impact; once find weight exceeded max capacity of the scale，please remove weight at once，otherwise the scale will be permanent damaged。
- Forbidden to put anything on the scale tray when the scale power on，should put scale on flat place in package if the scale unused for long-term，and forbidden to put anything on the scale when the scale is not being used.
- If find the weight value display astable, should timely inspect reasons, check any electromagnetic interference, e.g: cell phone，television，refrigerator etc. strong disturbance of magnetic field。

- Serial port RS232 communication wire length should not exceed 8 meters，network port TCP/Ip communication wire length should not exceed 1000 meters 。
- Avoid destroying surface of board please don't use nails to press keys。

Matters need attention for users

According to national quality inspection and quarantine about electron apparatus industry instruction spirit，all electron weighing apparatus productions manufactured by our company：

1. Clients and users please don't adjust and calibrate secretly。All adjustments and calibrations should be conducted by the government metrological service or authorised maintenance center；
2. All electron weighing apparatus productions manufactured by our company will be sold by professional retailers、legal enterprises and any other qualificatory retailers. The retailers will in charge of other products quality；
3. All electron weighing apparatus productions manufactured by our company，as lead seal is destroyed，should readjust and calibration in which institution approved qualificatory of authentication and package with lead seal。otherwise，our factory wouldn't responsible for the quality of the products；
4. Electronic apparatus exceed half a year from EX-factory date，should recalibrate in which inspection institutions identified by national or return to factory to recalibrate ，then to sell after up to standard；
5. Electronic apparatus exceed one year and a half from EX-factory date，should bring scale to manufacturer, or inspection institutions identified by national or qualificatory of authentication to verify，otherwise users undertake any consequences；
6. Any electronic apparatus manufactured by our company，request to usualness metering verify。Suggest preparing a standard test weight for checking，or proofread contrast with a standard scale。If occur any abnormal phenomenons，should timely bring to qualificatory verification maintenance center，or user undertake any consequences。

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