Kilotech

KRS 3000

Price Computing Label Printing Scale

Operator Manual

Version 10.11

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KILOTECH

This scale is a more advanced piece of technology and is not intended to be a "plug- and play". The programming, set-up and installation should be done by a qualified and trained technician. The Kilotech dealer selling this scale can refer the purchaser to such a specialist.

In order to insure continued satisfaction with this device, an after sales service contract is strongly suggested.

The programming, set-up, installation and after sales service contract are not included in the original sale price of the scale.

Cette balance est un appareil perfectionné et n'est pas conçue comme un accessoire à « brancher et oublier ». La programmation, le paramétrage et l'installation devraient être effectuées par un technicien compétent et formé à cet effet. Le vendeur de votre balance Kilotech peut vous référer à un de ces spécialistes.

Nous vous suggérons aussi fortement un contrat de service après vente pour assurer que cette balance vous donne une satisfaction durable

La programmation, le paramétrage, l'installation et le service après vente ne sont pas compris dans le prix de vente de la balance

Precautions and Warnings:

Thank you for purchasing the Kilotech KRS3000. Before you start to use your scale, please take a moment to read through the precautions and warnings to ensure you get the most from your scale.

General Precautions:

1. To avoid electric shock, do not touch the electric plug with wet hands and avoid getting the scale wet. The scale itself should be installed in a dry and liquid free environment. Should the scale accidentally get wet, dry it immediately with a dry cloth. Do not pull the plug by its cord when unplugging. Always use the plug head and ensure that it is plugged firmly into the wall. Whenever connecting or disconnecting ANY cables from the scale, be sure to hold the cables by the end connector. Failure to do so may cause a short circuit. Avoid using a shared electrical outlet and ensure that the outlet used has the proper voltage ratings.
2. Only use the adapter that is included in the scale. An incorrect adapter can damage the scale.
3. Do not operate near an in-use cellphone, radio, computer or other electronic devices as these devices emit RF and maybe cause unstable scale readings.
4. Don't use organic chemistry solutions to clean the scale. In addition do not place the scale near flammable or corrosive gases.
5. Don't lean your body on the scale or overload the scale beyond the maximum weight limit. Doing so, may cause load cell damage.
6. Avoid using in extreme heat, cold or wet, as well as an environment which has intensive change in temperature, humidity and pressure. Temperatures should not drop below 0°C / 32°F or exceed 40°C/ 104°F
7. Do not disassemble the scale. Should any damage or defect occur, contact Kilotech, or one of our authorized service centers. Opening the scale will void your warranty.
8. For safety reasons, do not place your hands in the printer slot.
9. For the best print quality and to ensure printer longevity, use Kilotech thermal labels.
10. The thermal header is a precise instrument. Do not touch it with fingers or sharp items. Always use the accessory cleaning tools to keep the header clean.
11. When moving the scale, always hold the scale from the bottom. Do not hold the scale only by the post or the platter.
12. To ensure accurate readings, use the built in level on the scale and adjust the feet to balance the scale. Place the scale only on a stable surface.
13. Avoid using the scale in an environment that has poor ventilation, is dusty or dirty.

Accessories included in your KRS3000 box

- One scale
- One pole display
- One pack of six screws used to adhere the pole
- One platter
- One copy *User Manual* (this book)
- One CD for PC software *KK BASE*
- One cleaning package for thermal printer head
- One key pad overlay
- One adaptor

Specifications

Model No	KRS3000P	KRS3000B
Item #	851308	851306
RS-232	Y	Y
USB	Y	Y
Wired network (TCP/IP)	Y	Y
Wireless (Wi-Fi)	OPTIONAL	OPTIONAL
Display	Pole mounted 4 Window LED display 1 Dot matrix Text screen	Integrated 3 Window LED display 1 Dot matrix Text screen
LED display	4 digits for tare: 5 digit for weight 6 digit for unit price, 6 digit for total price	5 digit for weight, 6 digit for unit price, 6 digit for total price
Max PLU (standard model)	2900 PLU (Max 363 char)	2900 PLU (Max 363 char)
Optional memory	4/8 MB	4/8MB
Ingredients	Y	Y
Canadian NTF	Y	Y
USA NFT	Y	Y
Safe handlings instructions	Y	Y
Capacity	30kg/60lb	

Division	0-15kgx5g / 15-30kgx10g 0-30lbx0.01lb / 30-60lbx 0.02 :0.005lb 6-15kg:5g/15.000-30.000lb:0.010lb	
Unit price range	0.00 – 9999.99 $/kg or $/lb	
Total price range	0 -9999.99$	
Working temp.	0℃-40℃ 50F~104F <60%RH Non Condensing	
Storage temp.	-20℃~70℃ -4F~158F <80%RH	
Power supply	21Vdc,5A with positive center, AC adaptor	
Platter size:	LxD: 390x250 15 ¼ x 10 in	
Housing size	LxDxH 420 x 430 x 230mm 16 ¾ x 17 x 9 in	
Software:	Y	Y

Abbreviations and Glossary

PLU	Price or Product Look Up. Identification number affixed to produce and other products
Weight PLU	By Weight PLU
Count PLU	By Count PLU
Dept.	Department
U. Price	Unit price
T. Price	Total Price
Prog	Program key or menu
F Prog	Fast program key or menu
Spec	Specification. Parameter that control the behavior of the scale

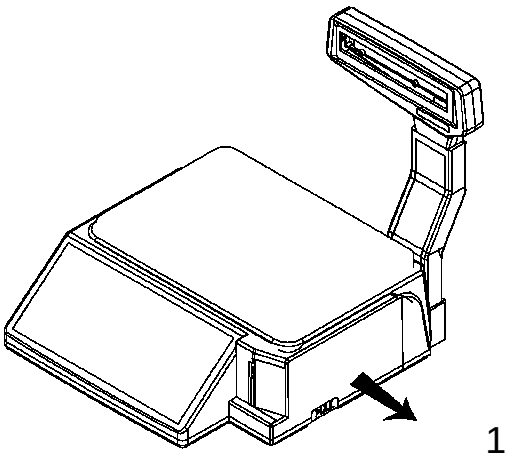
Installation Procedures

The scale must be installed in a dry environment. Make sure the scale is placed on a flat and stable surface. If the scale is not level, adjust the four legs until the bubble is appearing inside the indicated circle.

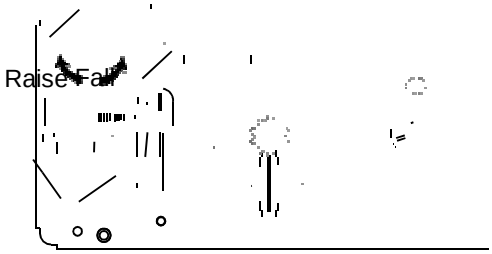
Installing the pole display:

Place the pole display in close proximity to the base. Attach the wire from the base to the pole display. Gently slide the post into the bracket. Fasten the two bolts that are present on the base bracket.

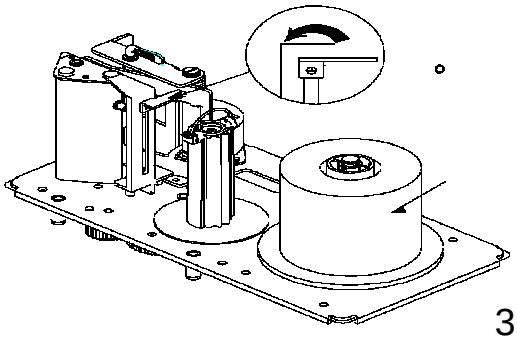
Thermal Printer (bar code label printing scale only)



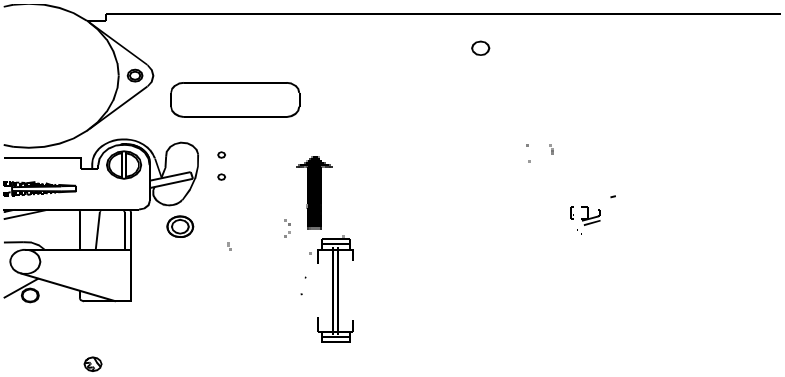
1.Open side door



2. Raise the print head. If there were any labels previously installed, please remove all the collected backing paper on the pick-up spool. Also remove the cardboard paper roll core if there was a label roll previously installed.



3.Peel-off and discard about 3 labels and install paper roll.



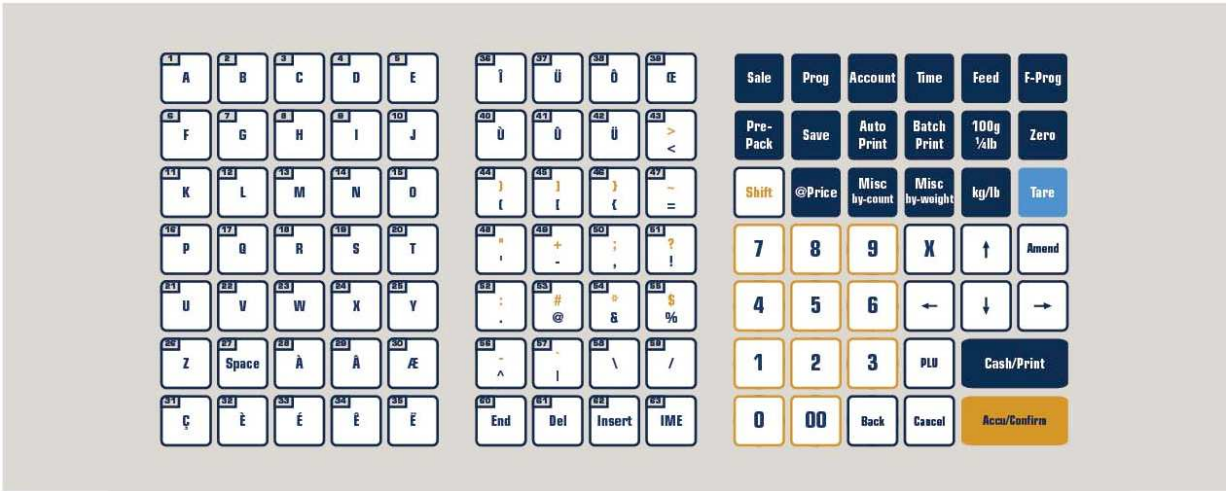
4. Pull out paper retaining spring. Feed the backing paper around the pickup spool.

Now attach the paper retaining spring into the spool and turn it slowly counterclockwise in order to tighten the backing paper.

Turn the print head down in order to lock it back in place

Keyboard Overlay

The image above shows the keys that appear on the keypad overlay.



There are 63 speed keys placed in the first two panels starting from the left. Each speed key has its address printed on the top left corner.

In this manual the following symbol 

is used to represent speed keys. Example, 

represents the first key marked with number 1 in its top left hand corner.

Instructions and Definitions for Keys

Audible Signs:

Short beep	Confirms key press
1 long beep and 2 short beeps	If Key is incorrect
Repetitive short beeps, screen will display the following: Ex.xx	Indicates internal error, Operation process failure. e.g.E1.01means program data is invalid
Long press (2 beeps)	The first beep is when you press down on the key. Once the second beep is emitted you can release the key as the action will be activated.

Function Keys:

Key	Definition
	IME is used for special text characters.
	Return to Sale mode
	To enter Program full mode
	Quick access to changing setting and values of PLU's in sales mode. It is always used for combination of keys, which is similar to F keys of a key board. Please refer to process instructions to understand the use of combination keys.
	To enter accounting mode.
	Toggle between current time and previous interface.
	Manually enter and remove Tare.
	Clear current weight and reset to zero within allowed range.

	Used to switch to the second level of PLU speedkeys, and switch between sensitivity in text input interface.
	These keys allow you to switch between other sales modes. If the current sale buffer is empty, the user can long-press any of these keys to reenter sales mode.
	Press this key to feed labels through the printer. Unprinted buffer data will be cleared in the process of feed.
	Used to override the unit price of the PLU. When spec 083 is active, modified price will be saved.
	Input count amount in count sale or do temporary count goods sale according to input U.Price.
	Amend transaction data in sale interface and store amended data in the program interface
	Switch among sequential steps and numbers in the program and account interfaces.
	Numerical keys
	Delete the last input data. Return to previous step without saving.
	When you type a PLU number and press this key, it will call up that PLU
	Print labels or receipts according to setting
	Clear data, cancel operations or go back to previous step
	Save accumulative transaction data into activated sale buffer

Examples of Key entering sequences:

- Key1 and Key2, users should first press Key1 then release it, and then press Key 2 and release it.
- Key1 + Key2 users should press Key1 first, and press Key2 without releasing Key1.

Text Input

The following buttons are used to type text:

	Buttons A – Z - /
	Confirm text input. Save and exit
	Cancel edited data and quit without saving
	Confirm the input in special IME
	End character, all characters after cursor are deleted
	Delete the character at position of cursor
	Enter into insert mode. Insert mode is activated when cursor is flashing
	Input method editor. Switch the input languages: En-1(in small letters), En-2 (in big letters), press accumulate to confirm
	SwitchEn-1,En-2 in temporary state
	Move cursor backwards or forwards
	Numerical buttons.

Table ASCII CodeTable

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Non-print character															
1																
2		!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
6	`	a	b	c	d	E	f	g	h	i	J	k	l	m	n	o
7	p	q	r	s	t	U	v	w	x	y	Z	{	|	}	~	
8	Not used															
9																

Display Panel

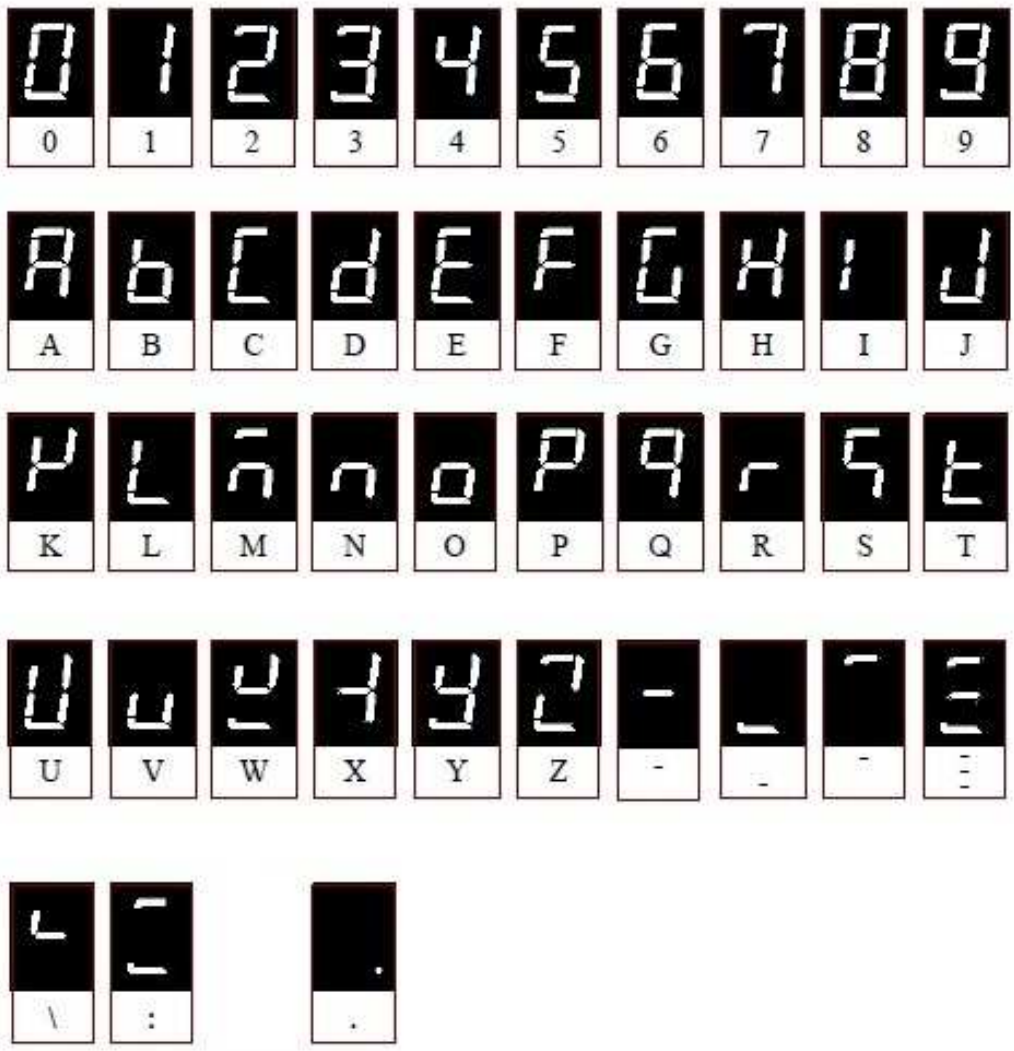
Sketch Map of Display Panel

When inputting text, data may appear in all four windows in the following formats:

Window 1	Display current input mode: one of En-1 (UPPER CASE), En-2 (lower case), Chs (Chinese characters) and Code (ASCII)
Window 2	Display the position of current editing letters in the text
Window 3	Display current editing position and content of adjoining letters. InEn-1orEn-2. ASCII mode is displayed while in Chs or CodeHex mode is displayed. Cover mode is activated when cursor which shows the position is constant while insert mode is activated when cursor is flashing.
Window 4	Display current input content.InEn-1orEn-2 the window displays nothing, and in Code input machine code is displayed.

Indication Signs

Display Character Reference



Dash	The same as '-'in ASCII.
Underline	Used to represent the characters which cannot be displayed in ASCII (the symbols except 0～9,A～Z and '-')
Aboveline	Used to represent extended characters. In Chinese edition, two aboveline represent a Chinese character.

Zero (▼)	Zero weight annunciator
Stable (▼)	Stable weight indicator
Save (▼)	Auto clearing mode indicator
Prepack (▼)	Prepack indicator
Auto print (▼)	Auto print indicator
Net (▼)	Net weight indicator
Batch Print (▼)	Print mode indicator
Account (▼)	Account mode indicator
Pieces (▼)	By Count Mode Indicator
lb / kg (▼)	Kilogram / Pounds Indicator
$lb / $kg (▼)	Unit Price by Weight Indicator

General functions

- The printer can store 3000 PLUs.(10000 PLUs optional)
- The scale can handle most types of gap and continuous thermal labels or plain thermal paper.
- The Accounting Function provides reports for different time periods and classifications
- Communication protocols supported by the scale are; RS232, TCP/IP, WIFI (optional) and USB thumb drive.

Setting of Print Format

- **Bar Code Printing Scale:** There are 9 kinds of default print formats. Please refer to the *Default Print Formats*

Report Functions

- Users can print the total reports with time periods of last 32.day, month, quarter or custom time period.
- Users can print the reports for departments, classes and PLUs day, month, quarter or custom time period.
- For more information please refer to *Account Operations*

Transaction details

- Transaction records can be transferred to the PC via network, RS232, USB thumb drive or printed on the scale directly.
- The scale deletes the oldest records automatically once memory is full.
- The storage for the sales details is 6000 records

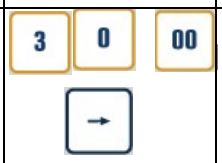
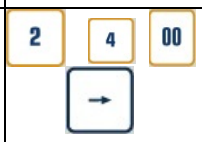
Fast Program Operations

Press the F-Prog key and the PLU key simultaneously to enter the PLU Fast Program menu. User can enter into this menu while a transaction is active.

Example: Edit PLU10 as a weight PLU with the name Pork, unit-price $30.00/kg, item code 9001 cost $24.00/kg and tare 0.005g.

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale Idle』		0.000	0.000	0.00	0.00	Scale stable
PLU Fast Prog		F23	PLU.00	NoSet	0	Dot matrix screen shows step number and step information.
Type in the PLU and press right arrow key		F23	PLU.00	NoSet	10	Input number 1～9999999
Type in the item code and press right arrow key	90001 	F23	PLU.01	Icode	90001	Item code will be printed as part of the bar code
Type in the weight or count unit and press right arrow key		F23	PLU.03	Unit	1	1: system default unit* 2 :count unit; 3 :kg weight unit; 6:lb weight unit; 8:100g weight unit; 9: ¼ lb weight unit (USA only)

*system default unit is that the scale has been calibrated

Operations	Keys	Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	Remarks
Type in the Unit price and press right arrow key		F23	PLU.04	Price	30.00	Enter unit price for PLU
Type in the cost price and press right arrow key		F23	PLU.05	Cost	24.00	The cost is used to calculate the profits. (Optional field)
Type in the Tare price and press right arrow key		F23	PLU.06	Tare	0.005	Program Tare. (Optional field)
To enter the name, press Accu/confirm		En-1	0			Input the names of the product. Press End key to move cursor to the end of text or use the arrow keys to move the cursor
P		EN-1	1	P		
ork		EN-1	4	ork		
Press the Amend to save the text and press right arrow key		F23	PLU.14	Name	OK-Edit	Press Amend key to save text to buffer. Press Amend twice to save PLU.

Press the Amend to save the text and press right arrow key		F23	PLU.26	PS-UD	1	Print the shelf life date 0:Don'tprint and block next step in programming 1:Print
Input shelf days and press right arrow key		F23	PLU.31	PC-UD	3	Program shelf day. Is programmed in increments of days including today If other steps are still to be edited, users can use left and right arrow keys to switch steps.
……						
Save PLU name		F23	PLU.05	Name	OK-Edit	Press the Amend key once to save the text in text buffer. Press twice to save complete PLU. Press the Sale button to return to regular mode

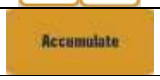
Notes

- Error E1.01 during programming means that the input data you provided is invalid.
- The xx in PLU.xx means the step number.
- Xx is not continuous when users scroll through the program. For 2 reasons.

1. The content in that part is not used. (Example, tare is not present in count PLU program.)
2. The content in that part has been set as non-program content. You can change that setting in P3.01 and P3.02.

Press The F-Prog key and a Speed key simultaneously to enter PLU shortcut key menu. Input the PLU number that you want to link. Press Accu/Confirm button to save the changes and continue wit the next key or press the Amend key to save and exit. The PLU number must exist. User can scroll through the existing PLU list by pressing arrow up and down keys.

Example : Fast-Prog of Shortcut Key for PLU. Amend two or more shortcut keys.

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Entering shortcut key program		F14	scPLU	1-01	1	
Input PLU number		F14	scPLU	0-01	10	
Confirm input		F14	scPLU	------	-------	Save to temporary buffer.
Program second speed key						
Set Shift+SC1		F14	scPLU	2-01	2	
Input PLU number		F14	scPLU	1-01	100	
Confirm input		F14	scPLU	------	-------	Save to temporary buffer, and program next speed key.
Save		0.000	0.000	0.00	0.00	When completed programming of all speed keys, Press Amend to save data to the scale.

Note 1 When SPEC081=0, PLU shortcut key fast prog is forbidden.

Parameters

Press the F-Prog key and Prog key simultaneously to enter the Spec parameters fast prog menu. Select the number you want to edit by pressing the left and right arrow keys.

- The first window will show the menu number
- The second window shows the number of Spec, which is being edited.
- The third window shows current parameters configuration.
- The fourth window shows the data that has been edited by users.

Example shown below: We are going to amend Spec000 to 2, Spec002 to 77 and Spec040 to 99. Note: We do not discuss the parameters and their meanings. **Spec data parameters are made up of 250 statements: Refer to Definitions of Spec data parameters in order to understand functions of these parameters**

Example 1-2 Fast-Prog of Spec Parameters

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Spec fast prog	F-Prog + Prog	F12	SP.000	1	1	Program (▼) on.
Change to 2	2	F12	SP.000	1	2	
Enter Spec002	→ →	F12	SP.002	0	0	Using ← → can only get to amend items in Spec amend level 0.
Change to 77	7 7	F12	SP.002	0	77	
Choose steps directly	X		Input	1 - 1	0	
Input step 40	4 0		Input	1 - 1	40	The input number of step must be in Spec amend level 0 or 1 for the step to be reached.
Confirm step	Accumulate	F12	SP.040	0	0	
Change to 99	9 9	F12	SP.040	0	99	
Save and exit	Amend	0.000	0.000	0.00	0.00	

- Spec fast-prog program is forbidden when SPEC082 = 0.
- See page XXX for details on data parameters .
- Only modify parameters that are discussed in Spec program.
- Use the left and Right arrow key to navigate between steps or input corresponding number after pressing the X key
- Always make a backup your settings before making any alterations.
- Press Amend key to save and quit, or press Cancel to quit without saving.

Nutritional Facts

Press the Prog key and then key the numbers 28. Users can enter into this menu while a transaction is active.

Example: Program nutritional facts table for 1 slice of Apple pie 500g , with the following data:

Serving size: 355ml

150 calories

100 calories from fat

10 g fat

5g Saturated Fat

5g Trans Fat

15mg Cholesterol

50mg Sodium

37g Carbohydrates

10g of Fibers

34g Sugars

28g Protien

3.3% vitamin A

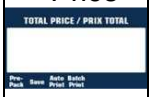
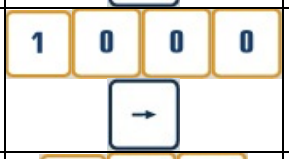
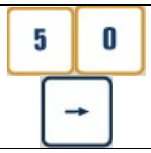
5% Vitamin C

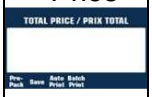
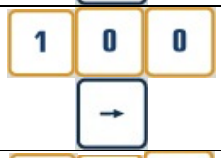
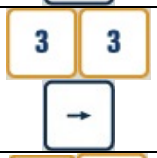
7% Calcium

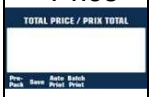
10% Iron

Example 1-3

Operations	Keys	Display				Remarks
		Tare 	Weight/ Pcs 	Unit price Prix unitaire 	Prix Total Price 	
『Scale idle』		0.000	0.000	0.00	0.00	
Enter program mode		P1	TMSET			LCD screen Shows Parameter Prog
Enter Database programming		F28	NUT.00	No set	0	Start of programming nutritional facts table
Enter number to be programmed		F28	NUT.00	No set	1	This number is used to link the NFT to PLU during the programming of a PLU -
Press arrow to go to next step		F28	SP.002	0	77	By pressing the left and right arrow key. You can scroll trough the diferent fields
Press Accu/confirm key to start programming the Description		F28	Nut.01	des	Ok-edit	
Type in description.		En-1	0	Apple pie		It is advisable to use a description that is matching the product name
Press Amend key to confirm and go to the next step by pressing the arrow key		F28	Nut.01	des	Ok-edit	
Press Accu/confirm key to start programming the Serving size		F28	Nut.02	Servi	Ok-edit	

Operations	Keys	Display				Remarks
		Tare 	Weight/ Pcs 	Unit price Prix unitaire 	Prix Total Price 	
Type in serving size.	1 slice	En-1	0			
Press Amend key to confirm and go to the next step by pressing the arrow key		F28	Nut.02	Servi	Ok-edit	
Press Accu/confirm key to start programming the Serving size metric		F28	Nut.03	Servi2	Ok-edit	
Type in metric serving size.	500g	En-1	0			
Press Amend key to confirm and go to the next step by pressing the arrow key		F28	Nut.03	Servi2	Ok-edit	
Type in the amount of calories and press right arrow key.		F28	Nut.04	CAL	150.0	
Type in the amount of calories from fat and press right arrow key.		F28	Nut.05	CALFT	100.0	
Type in the amount of Total fat and press right arrow key.		F28	Nut.06	TOTFT	10.0	
Type in the amount of Saturated fat and press right arrow key.		F28	Nut.07	SATFT	5.0	
Type in the amount of Trans fat and press right arrow key.		F28	Nut.08	TRAFT	5.0	

Operations	Keys	Display				Remarks
		Tare 	Weight/ Pcs 	Unit price Prix unitaire 	Prix Total Price 	
Type in the amount of Cholesterol and press right arrow key.		F28	Nut.09	CHOLE	15.0	
Type in the amount of Sodium from fat and press right arrow key.		F.28	Nut.10	SODIU	50.0	
Type in the amount of Carbohydrate and press right arrow key.		F.28	Nut.11	Carbo	35.0	
Type in the amount of Fiber and press right arrow key.		F.28	Nut.12	Fiber	10.0	
Type in the amount of Sugar and press right arrow key.		F.28	Nut.13	Sugar	37.0	
Type in the amount of Protein and press right arrow key.		F.28	Nut.14	Protn	28.0	
Type in the amount of Vitamin A from fat and press right arrow key.		F.28	Nut.15	Vit-A	3.3	
Type in the amount of Vitamin C and press right arrow key.		F.28	Nut.16	Vit-C	5.0	
Type in the amount of Calcium and press right arrow key.		F.28	Nut.17	CALCU	7.0	
Type in the amount of Iron and press right arrow key.		F.28	Nut18	Iron	10.0	

Operations	Keys	Display				Remarks
		Tare 	Weight/ Pcs 	Unit price Prix unitaire 	Prix Total Price 	
Press Amend key to confirm and go to the start of programming the next NFT		F28	Nut.00	No Set	0	To exit , press sale button.

- Please note that some values are not used to produce a Canadian Nutritional fact table
- Use the left and right arrow keys to navigate between steps or input corresponding number after pressing the X key
- Always make a backup your settings before making any alterations
- Press Amend key to save and quit, or press Cancel to quit without saving

Basic PLU Transaction

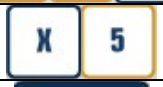
By weight PLU sale

Example: Sell 1 kg PLU10 goods: PLU10 = by weight PLU, Unit Price = $2.00/kg and tare = 0.100kg.

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Call PLU10		0.100	-0.100	2.00	0.00	
Put on a weight		0.100	0.900	2.00	1.80	
Print		0.000	0.000	0.00	0.00	Print Label

By Count PLU Sale

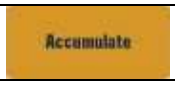
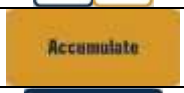
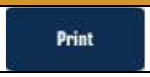
Example: Sell 5 units of PLU 11. PLU 11 = by-count PLU, Unit Price = $5.00/pc

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Call PLU11				5.00	5.00	.
Input Quantity			5	5.00	25.00	
Print		0.000	0.000	0.00	0.00	Print Label

Add up Transaction.

If you press the Accu/Confirm key instead of the Cash/Print key, you will initiate the Add-up process

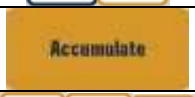
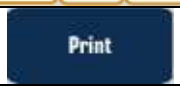
Example: Sell 1kg PLU10 goods. PLU10 = by weight PLU, Unit Price = $2.00 /kg and tare = 0.100kg. 5pcs PLU11 goods, PLU11 = by-count PLU, Unit Price = $5.00/pc

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Call PLU10		0.100	-0.100	2.00	0.00	.
Put PLU10 goods on		0.100	0.900	2.00	1.80	
Confirm an item		0.000	1.000	0.00	1.80	.
Take PLU10 goods off		0.000	0.000	0.00	1.80	
Call PLU11				5.00	5.00	
Input Quantity			5	5.00	25.00	
Confirm an item		0.000	0.000	0.00	26.80	Total amount is on Total screen
Print		0.000	0.000	0.00	0.00	Print Label

Add up Transaction with change calculation

If you press the Accu/Confirm key instead of the Cash/Print key, you will initiate the Add-up process. Input payment amount after accumulating all transactions and scale will calculate the change amount.

Example: Sell 1kg PLU10 goods. PLU10 = by weight PLU, Unit Price = $2.00/kg and tare = 0.100kg. 5pcs PLU11 goods, PLU11= by count PLU, Unit price = $5.00/pc and payment $30

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Call PLU10		0.100	-0.100	2.00	0.00	
Put PLU10 goods on		0.100	0.900	2.00	1.80	
Confirm transaction		0.000	1.000	0.00	1.80	
Take PLU10 goods off		0.000	0.000	0.00	1.80	
Call PLU11				5.00	5.00	
Input Quantity			5	5.00	25.00	
Confirm Quantity		0.000	0.000	0.00	26.80	Total amount is on Total screen
Input payment amount		0.000	0.000	30.00	26.80	
Print				3.20	26.80	Print label, display total and change amount
		0.000	0.000	0.00	0.00	Press any key to return.

Note 1 Cashing mode is available and change interface is displayed when the value of SPEC60 is 1, 2, or 3.

Discount Operations

There are 2 different kinds of discounts

Unit Price Discount

The unit price discount can be programmed during a transaction. Once the PLU is active, overwrite the unit price and the scale will calculate the total price accordingly. The discount should be within the programmed discount limits. If the discount is greater then the limit, the discount operation will fail.

Auto Discount: Sale Weight Discount

When items are in the auto discount setting, the price of activated PLU will change in real-time according to the settings and the system will shield any actions of manual change on the price.

Example: PLU20 by weight PLU, Unit Price = $10.00/kg. Discount price = $9.00/kg when weight is more than 1kg and Unit Price goes to $8.00 when sale weight is more than 2kg. The change of Unit Price of this item is shown below:

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Transfer PLU20		0.000	0.000	10.00	0.00	Unit price = $10/kg
Put weight 1.5kg		0.000	1.500	9.00	13.50	Unit price = $9/kg
Add weight 1kg		0.000	2.500	8.00	20.00	Unit price = $8/kg
Take off all weight and put on weight 0.5kg.		0.000	0.500	10.00	5.00	Unit price is back to $10/kg

For more details about the auto discount setting, please read definitions of auto discount settings in the parameter section carefully. It is preferable to edit the parameters on a PC.

Tare

Weight Tare

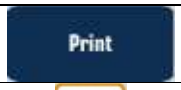
Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Put on tare object		0.000	0.050	0.00	0.00	
Tare	Tare	0.050	0.000	0.00	0.00	
Take off tare object		0.050	-0.050	0.00	0.00	
Cancel Tare	Tare	0.000	0.000	0.00	0.00	

Number Tare

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Input tare	3 2	0.000	0.000	0.32	0.00	
Tare	Tare	0.032	-0.032	0.00	0.00	
Cancel tare	Tare	0.000	0.000	0.00	0.00	

Special printing mode

The KRS3000P is having 4 special printing modes:
Pre-pack: PLU will remain active and scale will print a label automatically once the weight is stable. weight must return to zero, before it can re-arm.
Save: PLU will remain active in memory, but user has to press the print button to print a label
Auto print: Scale print automatically a label when a PLU is called and the weight is stable
Batch print: By count only. User can print more then one label of the same PLU.
Example: 1pcs of PLU10 goods, PLU10= by count PLU, Unit price = $2.00/pc Print 5 labels

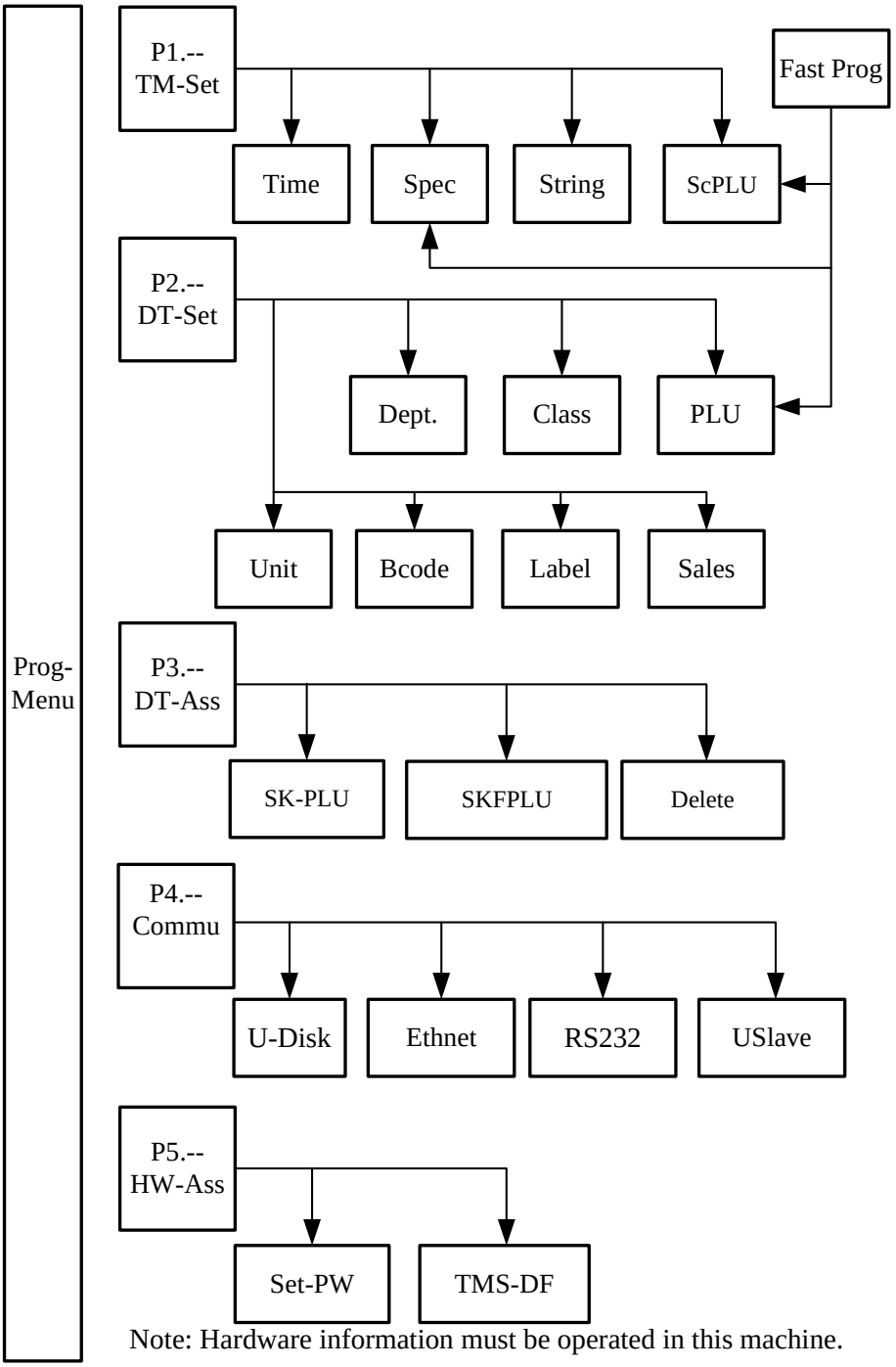
Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Call PLU10				2.00	2.00	
Press Batch print key				2.00	2.00	Batch print enunciator on
Print		0.000	1.000	0.00	1.80	
Input number of labels					5	
Confirm amount and print		0.000	0.000	0.00	0.00	Scale will print 5 labels

Important information to read prior to performing any programming operations

There are various levels of programming, some which the average user should not attempt to do on the scale. Example: print format and barcode format edit
The software offers users a convenient interface to edit all the working parameters and data of the scale. The setting data can be downloaded by Ethernet (real-time download), or transferred in the form of files by USB flash disk
Kilotech strongly recommends using the KK Base software on a computer to program these operations, however if necessary, please find on the following page the menu tree to perform these operations directly on the scale. Read the contents of this chapter carefully before making any modifications. All the functions are instructed in words and processes are arranged in sequence of steps.

Basic Operations in Program Interface

Picture 1-2 Tree-shaped map of edit interface



Note: Hardware information must be operated in this machine.

Tree-shaped Design of Edit Steps

Prog Menu	P1	Scale Parameter (TM-Set)	P11	Time
			P12	Spec
			P13	String
			P14	PLU Shortcut
	P2	Sale Data (DT-Set)	P21	Dept.
			P22	Class
			P23	PLU
			P24	Unit (Not Open)
			P25	Barcode format
			P26	Print format
			P27	Salesman (Not Open)
	P3	Assistant Data (DT-Ass)	P31	PLU Prog steps
			P32	PLU F-Prog steps
			P33	Delete Sale data
	P4	Communications (Commu)	P41	USB flash disk
			P42	Ethernet
			P43	RS232
			P44	USB slave
	P5	Hardware Assistant (HWAss)	P51	Set the passwords
			P52	Renew to Factory default

Press the Prog key, to enter P1; Use left and right arrow key to choose between P1 to P5. Use Accu/Confirm button to select number and go to the next sub menu. Instead of using the Arrow keys you can press the number key of the menu you want to select.

Frequently-used Keys in Prog Interfaces

Amend	**Save the amended content and go back to previous interface.** If operation is in DTSet, go back to step 0 after save and wait for new number to be input to amend.
Cancel	**Don't save the amended data and go back to previous interface.**
Accumulate	**Go one step down in menu tree** or enter certain edit interface when operation is in text edit or in edit interface.
← →	Step selection.
↑ ↓	To select previous or next valid data when amending data in program.
0 ~ 9, 00	Input corresponding numbers.
Back	Delete the last digit number.
X	Used to select step to edit. After pressing this key, you can input the step number you want to select. Press the Accu/confirm key to confirm number.

Scale Parameter

Time Programming

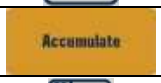
Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Enter program	Prog	P1	TMSet			
Enter TMSet	1	P11	TMSet	Time		
Enter time program	1	2011	07 22	20 21	51 W-5	W-X is the day counter starting at Sunday with W-0.
		Year	Month Day	Hour Minute	Second Week day	

Input current time by number key	……					Cursor indicates current editing object. Using ← → could move the position of cursor.
Save the amend	Amend	P11	TMSet	Time		Save to the scale.
Return to sale	Sale	0.000	0.000	0.00	0.00	

Spec parameters programming

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Scale idle』		0.000	0.000	0.00	0.00	
Enter program	Prog	P1	TMSet			
Change to 2	2	P12	SP.000	1	2	
Enter Spec002	→ →	P12	SP.002	0	0	Scroll trough available specs using the left and right arrow keys.
Change to 77	7 7	P12	SP.002	0	77	
Choose steps directly	X		Input	1 - 1	0	
Input step 40	4 0		Input	1 - 1	40	To enter the step, the number must be available.
Confirm number	Accumulate	P12	SP.040	0	0	
Change to 99	9 9	P12	SP.040	0	99	
Save the amend	Amend	P12	TMSet	Spec		Save to the scale.
Return to sale	Sale	0.000	0.000	0.00	0.00	

String Programming

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Enter program		P1	TMSet			
Enter TMSet		P11	TMSet	Time		
Enter String		P13	ST.000	ShopN	Push-OK	ST.000 means store name.
Switch to device name		P13	ST.001	ScaleN	Push-OK	ST.001 means device name.
Switch back to store name		P13	ST.000	ShopN	Push-OK	
Enter editing		EN-1	0			
Clear original string		EN-1	0			
Switch to EN-2		EN-2	0		0	
ABS						
Switch to EN-1						
Scale						
Save editing string		P13	PLU.14	Name	OK-Edit	Save to the scale.
Return to sale mode		0.000	0.000	0.00	0.00	

Prog of PLU Shortcut Keys

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale idle』		0.000	0.000	0.00	0.00	
Enter program	Prog	P1	TMSet			
Enter TMSet	1	P11	TMSet	Time		
Enter PLU shortcut key	4	P14	scPLU	------	-------	
Set SC1	Speed key 1	P14	scPLU	0-01	0	
Input PLU number	1 0	P14	scPLU	0-01	10	
Confirm input	Accumulate	P14	scPLU	------	-------	Save to temporary buffer.
Set SC2	SC2	P14	scPLU	0-02	0	
Input PLU number	1 1	P14	scPLU	0-02	11	
Confirm input	Accumulate	P14	scPLU	------	-------	Save to temporary buffer.
Set Shift+SC1	Shift + Speed key 1	P14	scPLU	1-01	0	
Input PLU number	1 0 0	P14	scPLU	1-01	100	
Confirm input	Accumulate	P14	scPLU	------	-------	Save to temporary buffer.
Save editing text	Amend	P14	TMSet	scPLU		Save to the scale.
Return to sale mode	Sale	0.000	0.000	0.00	0.00	

Editing of All Parts in DTSet

Department Program

The department (Dept. for short) is the largest category in sales statistics. And it's marked with number from 10 to 99 (Department 1 ~9 are used internally by the scale)

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
Scale idle		0.000	0.000	0.00	0.00	
Enter program	Prog	P1	TMSet			
Enter DTSet	2	P21	DTSet	Dept		
Enter Dept. program	1	P21	DPT.00	NoSet	0	
Enter number 10	1 0	P21	DPT.00	NoSet	10	
Next	→	P21	DPT.01	Name	OK-Edit	
Edit department name						Department names are only used in the software.
Save editing data	Amend	P21	DPT.00	NoSet	0	Continue to edit the next department
Return to sale mode	Sale	0.000	0.000	0.00	0.00	

Class Program

Class is the second largest category in the sales statistics. It is marked with a number from 10 to 99. Class 1~9 are used internally by the scale) Classes can be programmed to contain several PLU's from a departments and are used to create more detailed sales

Example: Class program

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
Scale idle		0.000	0.000	0.00	0.00	
Enter program	Prog	P1	TMSet			
Enter DTSet	2	P21	DTSet	Dept		
Enter class program	2	P22	CLS.00	NoSet	0	
Input class number 10	1 0	P22	CLS.00	NoSet	10	
Next	→	P22	CLS.01	Name	OK-Edit	
Edit class name						Class names are only used in the software.
Next	→	P22	CLS.02	Dept	0	The department must exist.
Input department number 10	1 0	P22	CLS.02	Dept	10	
Save editing class	Amend	P22	CLS.00	NoSet	0	Continue editing other classes.
Return to sale mode	Sale	0.000	0.000	0.00	0.00	

PLU program

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Scale Idle』		0.000	0.000	0.00	0.00	Scale stable
Enter program		P1	TMSet			
Enter DTSet		P21	DTSet	Dept		
PLU Number		F23	PLU.00		10	Input number 1～9999999
Go to next field Next		F23	PLU.01		0	Go to next step
Input item code:	90001	F23	PLU.01		90001	Item code will be printed as part of the bar code
Go to next field		F23	PLU.03		0	
Set as weight PLU		F23	PLU.03		1	2 :count unit; 3 :kg weight unit; 6:lb weight unit; 8:100g weight unit; 9: ¼ lb weight unit (USA only)
Go to next field		F23	PLU.04		0.00	
Set Unit Price		F23	PLU.04		30.00	Enter unit price for PLU
Go to next field		F23	PLU.05		OK Edit	
Set cost		F23	PLU.05		24.00	The cost is used to calculate the profits. (Optional field)
Go to next field		F23	PLU.06		0.000	

Operations	Keys	Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	Remarks
Set Tare		F23	PLU.06		0.005	Program Tare. (Optional field)
Go to next field		F23	PLU.14		OK-Edit	Input the names of goods.
Set name		En-1	0			
Edit Text		EN-1	0			Press End key to move cursor to the end of text, or use cursor to move cursor.
P		EN-1	1	P		
ork		EN-1	4	Ork		
-		EN-1	5	k-		
Input number 2		En-1	6	2		
Save edited text		F23	PLU.14	Name	OK-Edit	Press Amend key to save text to buffer. Press Amend twice to save PLU.

Operations	Keys	Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	Remarks
Go to next	→	F23	PLU.26	PS-UD	0	Print the shelf life date 0:Don'tprint and block next step in programming 1:Print
Print shelf date	1	F23	PLU.26	PS-UD	1	
Go to next	→	F23	PLU.31	PC-UD	0	Program shelf day. Is programmed in increments of days including today
Input shelf days		F23	PLU.31	PC-UD	3	
……						If other steps are still to be edited, users can use ← → to switch steps.
Save PLU name	→	F23	PLU.05	Name	OK-Edit	Press the Amend key once to save the text in text buffer. Press twice to save complete PLU
Return to sale	Cancel	0.000	0.000	0.00	0.00	PLU10 is saved. Scale is back in regular weighting mode.

Notes

1. Error E1.01 during programming means that the input data you provided is invalid.
2. The xx in PLU.xx means the step number.

Xx is not continuous when users scroll through the program. There are two reasons. First reason is that the content in that part is not used. Example, tare is not present in count PLU program. The second reason is that the content in that part has been set as non-program content. You can change that setting in P3.01 and P3.02.**PLU Program**

Barcode Program

There are 9 different preformatted barcodes available in the scale. Users can copy the exiting ones or make there own format.

Number	Use	Instructions
1~9	Factory Default	Already edited when the scale is released from factory User cannot edit them.
10~99	User's barcode	Barcode that can be edited by users

Table 5-1 List of Barcode Types

Barcode formats	Instruction	Number of digits (checksum not
0	Default	
1	EAN13	12
2	EAN8	7
3	UPC A	11
4	UPC E	6
5	EAN-128	Even or Odd with Checksum
6	Code-128C	Even or Odd with Checksum
7	ITF-25	Even or Odd with Checksum

Note 1 When select default, it will auto select the most reasonable barcode format according to valid number digit

Note 2 When print EAN-128, Code-128C or ITF-25, if length of number is odd number, it will auto add one checksum at the end. The arithmetic is same as EAN/UPC checksum

Check Digit of Barcode

Check	0	All checks
	1	End Check
	2	Middle Check
	3	None

Note 1 Check digit of barcode for barcode formats is just an advice for the scale. The scale would process the check based on the selected barcode format. For example, EAN13 is verified by End Check, no matter which kind of check is selected.

Table 5-3 Descriptions of Barcode Data Items

Items	Restrictions	Instructions	
Data Source	A~Z	A	Not print
		B	Spec Flag
		C	Constant Num 1
		D	Constant Num 2
		E	PLU Number
		F	PLU Note
		G	PLU Index
		H	PLU Flag
		I	PLU real U.Price
		J	PLU count/weight
		K	PLU T.Price
		L	Sale T.Price
		M	Sale T.Count
		N	Sale T.Weight
		L	Add-up Times
		P	Sales man number
		Q	Sale date: year
		R	Sale date: month
		S	Sale date: date
Display Length	0~9	Print length 0~9	
Data Shift	0~9	Move to right 0~9 digits	
Overflow management	0~3	0: not print	
		1: truncation print	
		2: fill in with character 0	
		3: fill in with character 9	

Table 5-4 Factory Default Barcode

Number	Name	Descriptions	Use	Instructions
1	B-Item 1	B201E500K500A000A000A000	Item barcode	2 digits Spec Flag, 5 digits PLU Number, 5 digits PLU T.Price.
2	B-Item 2	B201F500K500A000A000A000	Item barcode	2 digits Spec Flag, 5 digits PLU Note, 5 digits PLU T.Price.
3	B-Item 3	F700K500A000A000A000A000	Item barcode	7 digits PLU Note, 5 digits PLU T.Price.
4	B-Item 4	B201E400K600A000A000A000	Item barcode	2 digits Spec Flag, 4 digits PLU Number, 6 digits PLU T.Price.
5	B-Item 5	B201F400K600A000A000A000	Item barcode	2 digits Spec Flag, 4 digits PLU Note, 6 digits PLU T.Price.
6	B-Item 6	F600K600A000A000A000A000	Item barcode	6 digits PLU Note, 6 digits PLU T.Price.
7	B-Sum 1	B701L500A000A000A000A000	Total barcode	7 digits Spec Flag, 5 digits Sale T.Price.
8	B-Sum 2	B601L600A000A000A000A000	Total barcode	6 digits Spec Flag, 6 digits Sale T.Price.
9	B-Sum 3	B501L700A000A000A000A000	Total barcode	5 digits Spec Flag, 7 digits Sale T.Price.

Example 5-9 Barcode Program

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter programme	【Prog】	P1	TMSet			
Enter DTSet	【2】	P21	DTSet	Dept		
Enter barcode	【5】	P25	BAR.00 Step No.	NoSet Step Info	0 Object	
Enter number 10	【1】【0】	P25	BAR.00	NoSet	10	
Next	【→】	P25	BAR.01	Name	OK-Edit	
Edit barcode names						only used in the software.
Next	【→】	P25	BAR.02	Type	0	See *List of Barcode types at beginning of chapter*
Next	【→】	P25	BAR.03	Check	0	See list of *Check Digit at beginning of chapter*.
Next	【→】	P25	BAR.04	NCon1	0	fixed numbers in barcode data.
Next	【→】	P25	BAR.05	Ncon2	0	
Next	【→】	P25	BAR.06	Des	OK-Edit	
Edit the descriptions of barcodes						Should be formatted in a length of 24 characters. Please refer to the content of Table *Factory Default Barcode*.
Save editing barcode	【Amend】	P25	BAR.00	NoSet	0	Continue to edit other barcodes.
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	

Label Format Program

Number	Use	Instructions
1~9	Factory Default	Already edited when the scale is released from factory User cannot edit them.
10~39	User's print format	Formats that can be edited by users

There are 9 label layouts preformatted in the scale. Format 10~39 are user modifiable while using the Kkbase software. Please refer to the KKBase software manual for more details.

No.	Format	Gap Paper	Plain Paper
1	Item Label	58mm*40mm	58mm
2	Item Label	40mm*30mm	40mm
3	Item Label	58mm*30mm	58mm
4	Total Label	58mm*40mm	58mm
5	Total Label	40mm*30mm	40mm
6	Total Label	58mm*30mm	58mm
7	Receipt		58mm
8	Receipt		40mm
9	Receipt		48mm

Salesman Program

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter program	【Prog】	P1	TMSet Step No.	Step Info	Object	
Enter DTSet	【2】	P21	DTSet	Dept		
Enter salesman	【7】	P27	SAL.00	NoSet	0	
Enter salesman 10	【1】【0】	P27	SAL.00	NoSet	10	
Next	【→】	P27	SAL.01	Name	OK-Edit	
Edit salesman name						Process is omitted.
Next	【→】	P27	SAL.02	Pass	0	
Edit salesman						
Save editing salesman	【Amend】	P27	SAL.00	NoSet	0	Continue to edit other salesmen.
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	

Note 1 Number 1~99 is the content for users to edit.

Assistant Data Program

Steps Select of PLU Program

Example 5-11 Steps Select of PLU Program

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter program	【Prog】	P1	TMSet			
Enter DTAss	【3】	P31	DTSet	Sk-PLU		
Enter step selection 1= PLU prog 2 = PLU Fast program	【1】 or button2	P31	PLU.00	NoSet	Prog 0	
			PLU Step	Step Info	Prog or Skip	
Select step: Note	【→】	P31	PLU.01	Note	Prog 0	
Select step: Index	【→】	P31	PLU.02	Index	Skip 1	Default index number is not activated.
Enable step: Index	【↓】	P31	PLU.02	Index	Prog 0	Amend to activation.
Select step: Unit	【→】	P31	PLU.03	Unit	Prog 0	
Select step: U.Price	【→】	P31	PLU.04	Price	Prog 0	
Select step: Cost	【→】	P31	PLU.05	Cost	Prog 0	Default cost is activated.
Disable step: Cost	【↓】	P31	PLU.05	Cost	Skip 1	Amend to not activated.
Save steps selection	【Amend】	P31	DTSet	Sk-PLU	0	
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	

- Select Prog or Skip by pressing the zero or one key 【0】\【1】 or 【↑】【↓】.
- Prog means that the step is available while programming the PLU.
  Skip means that the step will be skipped while programming a PLU.
- The above programming will be in effect only in the program (PLU program or PLU fast-program) depending on what option has been chosen.

Delete

When entering the interfaces of delete, users would be requested to receive validation code. Validation code is 9958

Confirm and enter delete process.

Example 5-13 Delete PLU20 ~ 30

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter program	【Prog】	P1	TMSet			
Enter DTAss	【3】	P31	DTSet	Sk-PLU		
Enter delete menu	【3】		Input	Code	0	Input validation code .
Input validation code	【9】【9】【5】【8】		Input	Code	9958	
Confirm validation code	【Confirm】	P331	DTSet	Delete	Dept	1: Dept., 2: Class, 3: PLU, 4: Unit, 5: Barcode, 6: Print Format 7: Salesman.
Select to delete PLU	【3】		Input	2 - 1	0	
Input start number	【2】【0】【Confirm】		Input	2 – 2	0	
Input end number	【3】【0】【Confirm】	P333	DTSet	Delete	PLU	
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	

- To delete data, the operator has to provide the data range to be deleted.

  If the 2nd number is 0, the object appointed by 1st number is deleted.

  If 2nd number is less than 1st number, no object is deleted.

Communications and Data Update

Operations of files in USB flash Disk

All Scale data that is edited in the KK base software can be transferred to the scale with a USB flash disk. Please see the KK base manual on how to create the data file.

Once the file has been created, Please insert the USB key into the USB port of the scale and reboot the scale. The data file will be updated during the booting sequence of the scale.

Save PLU Data to USB Flash Disk

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter program	【Prog】	P1	TMSet			.
Enter Commu	【4】	P41	Commu	U-Disk		USB flash disk must be inserted
Enter operation of USB flash disk	【1】	P41	Commu	U-Disk	000	
Appoint numbered file	【1】【2】	P41	Commu	U-Disk	012	Press 【 × 】 to select auto-update file.
Save file	【PLU】	0	0	0	Up-Data	【 PLU 】= PLU data
		Data Sort	Data Number	Number of Saved Data	Working State	【FProg】+【PLU】 = sales data upload
Several seconds		…	…	…	Finish	
Exit	【Confirm】					
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	on.

Press any key to exit when saving is completed. If you want to exit midway, press the Cancel button.

List of Account Interfaces

When entering the Account interface, the operator will be presented with a choice of several reports. Please see table below and choose the report you want.

List of Account Reports

Menus	Menu Prompt	Instructio	Remarks	State
A1	Total	Total report		
A1	Total Daily	Total daily report		
A1	Total Monly	Total monthly report		
A1	Total Qualy	Total quarterly report		
A1	Total Manly	Total manual report		
A2	Dept	Department report		
A2	Dept Daily	Department daily report		
A2	Dept Monly	Department monthly report		
A2	Dept Qualy	Department quarterly report		
A2	Dept Manly	Department manual report		
A3	Class	Class report		
A3	Class Daily	Class daily report		
A3	Class Monly	Class monthly report		
A3	Class Qualy	Class quarterly report		
A3	Class Manly	Class manual report		
A4	PLU	PLU report		
A4	PLU Daily	PLU daily report		
A4	PLU Monly	PLU monthly report		
A4	PLU Qualy	PLU quarterly report		
A4	PLU Manly	PLU manual report		
A5	Clear	Clear report		
A5	Clear Manly	Clear current manual report		
A5	Clear All	Clear all reports and records		
A5	Clear Stock	Clear stock report information		
A5	Clear SID	Clear SID information, reset to 0		
A6	Stock	Stock report		
A6	Stock Print	Stock print		
A6	Stock Audit	Stock update		
A7	List	Sale list report		
A7	List Print	Sale list print		
A8	Sales	Salesman report		
A8	Sales Daily	Salesman daily report		
A8	Sales Monly	Salesman monthly report		
A8	Sales Qualy	Salesman quarterly report		
A8	Sales Manly	Salesman manual report		

Operations of Printing Report

Print Total Report

Each report has 32 buffer zones (0~31). Total reports are divided into:

- total daily report,
- total monthly report,
- total quarterly report,
- total manual report.

Example 1-4 Example

Total daily report: The buffer zone 0 stores the total daily report of the current day; buffer zone 1 stores total daily report of the previous day, etc…., buffer zone 31 stores the total daily report of the day dating back to 31 days ago.

Total monthly report and total quarterly report work in the same format, storing total report of the last x months or quarters (x=0~31).

When printing the total report, the program will request the beginning and end date. The scale will print the total report for this period.

Example 1-5 Example Print Daily Reports of Today and Yesterday

Operations	Keys	Display				Remarks
		Tare 	Weight / Pcs 	Unit Price / Prix unitaire 	Total Price /Prix Total 	
『Sale Idle』		0.000	0.000	0.00	0.00	
Enter Account	【Account】	A1	Total			
Enter total report	【1】	A11	Total	Daily		【1】: Total report 【2】: Dept. report 【3】: Class report 【4】: PLU report
Enter total daily report	【1】		Input	2 – 1	0	【1】: Daily report 【2】: Monthly report 【3】: Quarterly report 【4】: Manual report
Input start number	【0】【Confirm】		Input	2 – 2	0	Start from today.
Input end number	【1】【Confirm】	…	…	…	…	End at yesterday.
		A11	Total	Daily	0	Print daily report of today.
		A11	Total	Daily	1	Print daily report of yesterday.
		A11	Total	Daily		End of print.
Return to sale	【Sale】	0.000	0.000	0.00	0.00	

- Empty buffers will not print.
- If end number is 0, the scale will only print the buffer appointed by start number.

Print Department Report and Class Report

The scale could print a report of all the Departments and Classes. The procedure is similar to Print *PLU Report*.

Print PLU Report

The scale can print PLU reports with numbers that are less than 1000.

Print PLU Daily Reports with the Numbers from 10 to 20

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Sale Idle』		0.00	0.000	0.00	0.00	
Enter Account	【Account】	A1	Total			
Enter PLU report.	【4】	A41	PLU	Daily		【1】: Total report 【2】: Dept. report 【3】: Class report 【4】: PLU report
Enter PLU daily report	【1】		Input	2 – 1	0	【1】: Daily report 【2】: Monthly report 【3】: Quarterly report 【4】: Manual report
Input start number	【1】【0】【Confirm】		Input	2 – 2	0	Start from PLU10.
Input end number	【2】【0】【Confirm】	…	…	…	…	End to PLU20.
				10	Print	Print daily report of PLU10.
				11	Print	Print daily report of PLU11.
				…	Print	
						End of print.
Return to sale	【Sale】	0.000	0.000	0.00	0.00	

- Empty buffers will not print.
- If end number is 0, the scale will only print the buffer appointed by the start number.

There several levels of reports available. Please refer to the table at beginning of the chapter from more details.

Clear Report Information

Clear Report Information Manually

The information in manual reports will not be cleared automatically unless users enter A51 (clear current manual report) interface to clear it.

Example 1-6 Clear All Reports and Records Information

Operations	Keys	Display				Remarks
		Tare	Weight / Pcs	Unit Price / Prix unitaire	Total Price /Prix Total	
						
『Sale Idle』		0.000	0.000	0.00	0.00	〖Sale〗〖Sum〗 on.
Enter Account	【Account】	A1	Total			〖Account〗 on.
Enter clear report	【5】	A51	Clear	Manly		
Clear manual report	【2】		Input	Code	0	Input validation code.
Input validation code	【9】【9】【5】【8】					
Confirm validation code	【Confirm】	----	-----	------	-------	
		A52	Clear	All		
Return to sale mode	【Sale】	0.000	0.000	0.00	0.00	〖Sale〗〖Sum〗 on.

- This operation will clear the records of all transactions. It is irreversible. Please proceed with caution.

There are several levels of clearing available. Please refer to the table at beginning of chapter for more details.

Appendix

List of Program Interfaces

Menu	Sort		Instructions	Remarks	State
P1	TMSet		Scale Parameter Setting		
P11	TMSet	Time			
P12	TMSet	Spec	Spec Parameters setting		
P12	SP.000		Spec 000	Spec 000~249, see details in chapter **Error! Reference source not found.Error! Reference source not found.**	
……	……	……	……		
P12	SP.249		Spec 249		
P13	TMSet	String	String Parameters setting		
P13	ST.000	ShopN	String 0: Store name		
P13	ST.001	ScaleN	String 1: Device name		
P13	ST.002	Money	String 2: Money Unit		
P14	TMSet	scPLU	PLU shortcut key setting		
P2	DTSet		Scale Data setting		
P21	DTSet	Dept	Dept. setting		
P21	DPT.00	NoSet	Dept.0: Number	Available dept edit number: 10~99.	
P21	DPT.01	Name	Dept.1: Name		
P22	DTSet	Class	Class		
P22	CLS.00	NoSet	Class 0: Number	Available class edit number 10~99	
P22	CLS.01	Name	Class 1: Name		
P22	CLS.00	Dept	Class 2: Dept. that it belong to		
P23	DTSet	PLU	PLU		
P23	PLU.00	NoSet	PLU 0: Number	Available PLU edit number 10~5999.	
P23	PLU.01	Note	PLU 1: Note	Be used for barcodes printing.	
P23	PLU.02	Index	PLU 2: Index		
P23	PLU.03	Unit	PLU 3: Unit	1 is default weight unit; 2 is default count unit; 3 is kg weight unit; 4 is g weight unit; 5 is ton weight unit; 6 is pound weight unit; 7 is 500g weight unit; 8 is 100g weight unit.	
P23	PLU.04	Price	PLU 4: U.Price		
P23	PLU.05	Cost	PLU 5: Cost		
P23	PLU.06	Tare	PLU 6: Tare		
P23	PLU.07	Lab-1	PLU 7: Print format number of 1st bill	The first bill's print format	
P23	PLU.08	BarT1	PLU 8: Barcode format number of 1st bill	The first bill's barcode format	

Menu	Sort	Instructions	Remarks	State
P23	PLU.09 BarF1	PLU 9: Barcode flag of bill 1st bill	The first bill's barcode flag	
P23	PLU.10 Lab-2	PLU 10: Print format number of 2nd bill	The second bill's print format	
P23	PLU.11 BarT2	PLU 11: Barcode number of 2nd bill	The second bill's barcode format	
P23	PLU.12 BarF2	PLU 12: Barcode flag of 2nd bill	The second bill's barcode flag	
P23	PLU.13 Class	PLU 13: class that it belongs to		
P23	PLU.14 Name	PLU 14: Goods name		
P23	PLU.15 Des-1	PLU 15: Goods postil 1		
P23	PLU.16 Des-2	PLU 16: Goods postil2		
P23	PLU.17 Des-3	PLU 17: Goods postil3		
P23	PLU.18 Des-4	PLU 18: Goods postil4		
P23	PLU.19 Des-5	PLU 19: Goods postil5		
P23	PLU.20 Des-6	PLU 20: Goods postil6		
P23	PLU.21 Des-7	PLU 21: Goods postil7		
P23	PLU.22 PS-SD	PLU 22: Sale date print	0: not print, 1: print.	
P23	PLU.23 PS-ST	PLU 23: Sale time print	0: not print, 1: print at appointed time, 2: print at current time.	
P23	PLU.24 PS-PD	PLU 24: Packing date print	0: not print, 1: print.	
P23	PLU.25 PS-PT	PLU 25: Packing time print	0: not print, 1: print at appointed time, 2: print at current time.	
P23	PLU.26 PS-UD	PLU 26: Shelf date print	0: not print, 1: print.	
P23	PLU.27 PC-SD	PLU 27: Sale date data	Number of days after current day.	
P23	PLU.28 PC-ST	PLU 28: Sale time data	Appointed printing data	
P23	PLU.29 PC-PD	PLU 29: Packing date print	Number of days after current day.	
P23	PLU.30 PC-PT	PLU 30: Packing time data	Appointed printing data	
P23	PLU.31 PC-UD	PLU 31: Shelf date data	Number of days after current day.	
P23	PLU.32 DF-D	PLU 32: Manual discount lower limit	0: use system setting; 1: no lower limit; 2: Take original cost as lower limit; 3: Take PLU.34 as lower limit.	
P23	PLU.33 DF-U	PLU 33: Manual discount upper limit	0: use system setting; 1: no upper limit; 2: Take original U.Price as upper limit; 3: Take PLU.35 as upper limit.	
P23	PLU.34 DF-DN	PLU 34: Value of manual discount lower limit	Activated when DF_D=3.	
P23	PLU.35 DF-UN	PLU 35: Value of manual discount upper limit	Activated when DF_D=3.	

Menu	Sort	Instructions	Remarks	State
P23	PLU.36 DA-S0	PLU 36: Customize 0 of auto discount	0: not activate; 1: discount on count; 2: discount on periods of time.	
P23	PLU.37 DA-W0	PLU 37: Activation day of the customize	Sunday: 1, Monday: 2, Tuesday: 4 Wednesday: 8, Thursday: 16, Friday: 32 Saturday: 64. When this customization discount needs to be activated at some certain days, input add-up number of these days here. To input 127 means that the discount is activated all the days. To input 1＋64＝65 , the discount is only activated at Saturday or Sunday.	
P23	PLU.38 DA-D0	PLU 38: The Lower limit of customization activation period Start at this point (include this point)	Execute this discount way in this customization activation period. Input weight/count according to the unit of PLU when discount on count. When inputting count, 10 goods needs to input 10.000 or move decimal(long press 【Shift】) to input 10. Avoid inputting 0.010 for 10 pcs. When discount on time, the format of input time is HHMM. If the time is 20: 30, users need to move decimal to input 2030.	
P23	PLU.39 DA-U0	PLU 39: The upper limit of customization activation period End at this point (not include this point)		
P23	PLU.40 DA-N0	PLU 40: Discount Price of customize	If number is positive, discount number will replace U.Price. If number is minus, new U.Price is the price that subtracts the input number from former U.Price. But minus values cannot be input from the scale.	
P23	PLU.41 DA-S1	PLU 41: Customize 1 of auto discount	It’s the same as last customized discount. After the edit of last customized discount it can be edited.	
P23	PLU.42 DA-W1	PLU 42: Activation day of the customize		
P23	PLU.43 DA-D1	PLU 43: The Lower limit of customization activation period		
P23	PLU.44 DA-U1	PLU 44: The upper limit of customization activation period		

Menu	Sort	Instructions	Remarks	State
P23	PLU.45 DA-N1	PLU 45: Discount Price of customize		
P23	PLU.46 DA-S2	PLU 46: Customize 2 of auto discount	It's the same as last customized discount. After the edit of last customized discount, it can be edited.	
P23	PLU.47 DA-W2	PLU 47: Activation day of the customize		
P23	PLU.48 DA-D2	PLU 48: The Lower limit of customization activation period		
P23	PLU.49 DA-U2	PLU 49: The upper limit of customization activation period		
P23	PLU.50 DA-N2	PLU 50: Discount Price of customize		
P23	PLU.51 DA-S3	PLU 51: Customize 3 of auto discount	It's the same as last customized discount. After the edit of last customized discount, it can be edited.	
P23	PLU.52 DA-W3	PLU 52: Activation day of the customize		
P23	PLU.53 DA-D3	PLU 53: The Lower limit of customization activation period		
P23	PLU.54 DA-U3	PLU 54: The upper limit of customization activation period		
P23	PLU.55 DA-N3	PLU 55: Discount Price of customize		
P24	DTSet Unit	Unit		Not Open
P24	UNT.00 NoSet	Unit 0: Number	Not Open.	Not Open
P24	UNT.01 Name	Unit 1: Name		Not Open
P24	UNT.02 UnitP	Unit 2: Suffix words of price		Not Open
P24	UNT.03 UnitA	Unit 3: Words of unit		Not Open
P24	UNT.04 PUnit	Unit 4: Measure Unit	1 is default weight unit, 2 is default count unit, 3 is kg weight unit, 4 is g weight unit, 5 is ton weight unit, 6 is pound weight unit, 7 is 500g weight unit, 8 is 100g weight unit.	Not Open
P24	UNT.05 Pack	Unit 5: packing	Take the sale value of a package measure unit as U.Price to calculate T.Price of goods.	Not Open

Menu	Sort		Instructions	Remarks	State
P24	UNT.06	FlagP	Unit 6: force display original U.Price		Not Open
P24	UNT.07	FlagA	Unit 7: force display original amount		Not Open
P25	DTSet	Bcode	Barcode		
P25	BAR.00	NoSet	Barcode 0: Number	Edited number of barcode when leaving factory are 1~9. Available barcode edit number 10~99.	
P25	BAR.01	Name	Barcode 1: Name		
P25	BAR.02	Type	Barcode 2: Type	Open EAN13 only before version 2.00.	
P25	BAR.03	Check	Barcode 3: Checkout		
P25	BAR.04	NCon1	Barcode 4: Constant number 1		
P25	BAR.05	NCon2	Barcode 5: Constant number 2		
P25	BAR.05	Des	Barcode 6: Data format description	Please pay attention that edit content should accord with certain format: refer to chapter of barcode.	
P26	DTSet	PSets	Print format		
P26	PST.00	NoSet	Print format 0: number	Edited number of label when leaving factory are: 1~9; Available label edit number 10~29.	
P26	PST.01	Name	Print format 1: Label Name		
P26	PST.02	Sort	Print format 2: Label sort		
P26	PST.03	Lng-X	Print format 3: Width of label		
P26	PST.04	Lng-Y	Print format 4: Height of label		
P26	PST.05	Txt01	Print format 5: Text 1		
P26	PST.06	Txt02	Print format 6: Text 2		
P26	PST.07	Txt03	Print format 7: Text 3		
P26	PST.08	Txt04	Print format 8: Text 4		
P26	PST.09	Txt05	Print format 9: Text 5		
P26	PST.10	Txt06	Print format 10: Text 6		
P26	PST.11	Txt07	Print format 11: Text 7		
P26	PST.12	Txt08	Print format 12: Text 8		
P26	PST.13	Txt09	Print format 13: Text 9		
P26	PST.14	Txt10	Print format 14: Text 10		
P26	PST.15	Txt11	Print format 15: Text 11		
P26	PST.16	Txt12	Print format 16: Text 12		
P26	PST.17	Txt13	Print format 17: Text 13		
P26	PST.18	Txt14	Print format 18: Text 14		
P26	PST.19	Txt15	Print format 19: Text 15		
P26	PST.20	Txt16	Print format 20: Text 16		
P26	PST.21	LAS	Print format 21: Item setting		

Menu	Sort		Instructions	Remarks	State
P26	LAS.00	NoSet	Print item 0: Item number	Available item edit number 0~99.	
P26	LAS.01	Flag1	Print item 1: symbol 1		
P26	LAS.02	Flag2	Print item 2: symbol 2		
P26	LAS.03	Flag3	Print item 3: symbol 3		
P26	LAS.04	Print	Print item 4: Print state		
P26	LAS.05	Angel	Print item 5: Print angle		
P26	LAS.06	Grid	Print item 6: type of snap to grid		
P26	LAS.07	CFont	Print item 7: print font		
P26	LAS.08	S-X	Print item 8: start position X		
P26	LAS.09	S-Y	Print item 9: start position Y		
P26	LAS.10	L-X	Print item 10: area length X		
P26	LAS.11	L-Y	Print item 11: area length Y		
P27	DTSet	Sales	Salesman	Available salesman edit number 10~99	Not Open
P27	SAL.00	NoSet	Salesman 0: Number		Not Open
P27	SAL.01	Name	Salesman 1: Salesman name		Not Open
P3	DTAss		Data assistant		
P31	DTAss	Sk-PLU	PLU Prog skip step setting		
P31	PLU.00	NoSet	PLU 0: Number	Choice 0: Prog means program, Choice 1: Skip means skipped in program	
P31	PLU.01	Note	PLU 1: Note		
P31	PLU.02	Index	PLU 2: Index		
P31	PLU.03	Unit	PLU 3: Unit		
P31	PLU.04	Price	PLU 4: U.Price		
P31	PLU.05	Cost	PLU 5: Cost		
P31	PLU.06	Tare	PLU 6: Tare		
P31	PLU.07	PST-1	PLU 7: Print format number of 1st bill		
P31	PLU.08	BarT1	PLU 8: Barcode number of 1st bill		
P31	PLU.09	BarF1	PLU 9: Barcode flag of bill 1st bill		
P31	PLU.10	PST-2	PLU 10: Print format number of 2nd bill		
P31	PLU.11	BarT2	PLU 11: Barcode number of 2nd bill		
P31	PLU.12	BarF2	PLU 12: Barcode flag of 2nd bill		
P31	PLU.13	Class	PLU 13: class that it belongs to		
P31	PLU.14	Name	PLU 14: Goods name		
P31	PLU.15	Des-1	PLU 15: Goods postil1		
P31	PLU.16	Des-2	PLU 16: Goods postil2		
P31	PLU.17	Des-3	PLU 17: Goods postil3		
P31	PLU.18	Des-4	PLU 18: Goods postil4		
P31	PLU.19	Des-5	PLU 19: Goods postil5		
P31	PLU.20	Des-6	PLU 20: Goods postil6		

Menu	Sort	Instructions	Remarks	State
P31	PLU.21 Des-7	PLU 21: Goods postil7		
P31	PLU.22 PS-SD	PLU 22: Sale date print Attached: PLU.27: Sale date data		
P31	PLU.23 PS-ST	PLU 23: Sale time print Attached: PLU.28: Sale time data		
P31	PLU.24 PS-PD	PLU 24: Packing date print Attached: PLU.29: Packing date print		
P31	PLU.25 PS-PT	PLU 25: Packing time print Attached: PLU.30: Packing time data		
P31	PLU.26 PS-UD	PLU 26: Shelf date print Attached: PLU.31: Shelf date data		
P31	PLU.32 DF-U	PLU 32: Manual discount lower limit Attached: PLU.34		
P31	PLU.33 DF-D	PLU 33: Manual discount upper limit Attached: PLU.35		
P31	PLU.36 DA-S0	PLU 36: Customize 0 of auto discount Attached: PLU.37-PLU.55		
P32	DTAss SkFPLU	PLU F-Prog skip step setting		
The same as P31				
P33	DTAss Delete	Delete data of the scale	Validate code is needed to enter: 9958.	
P33	DEL.01 Dept	Delete1: Dept.	When entering to delete, system will request to input 2 numbers: the start number and the end number of the data to delete. If the end number is 0, only data of the start number will be deleted. If the number is not 0 and it's less than the start number, no data will be deleted.	
P33	DEL.02 Class	Delete2: Class		
P33	DEL.03 PLU	Delete3: PLU		
P33	DEL.04 Unit	Delete4: Unit		Not Open
P33	DEL.05 BCode	Delete5: Barcode		
P33	DEL.06 PSets	Delete6: Print format		
P33	DEL.07 Sales	Delete7: Salesman		Not Open
P4	Commu	Communication setting		
P41	Commu U-Disk	Load and save of data by USB flash disk		
P42	Commu Ethnet	Not real-time Download from Ethernet		Not Open
P43	Commu RS-232	RS232communication		Not Open
P44	Commu USlave	USB slave communication		Not Open

Menu	Sort	Instructions	Remarks	State
P5	HWAss	Hardware assistant setting	**Admin password is required to enter this item.**	
P51	HWAss Set-PW	Hardware: setting password		
P511	HWAss Set-PW	Admin : admin password	Input same passwords 2 times to complete amendment of password.	
P512	HWAss Set-PW	Sale : sale password		
P513	HWAss Set-PW	Prog : program password		
P514	HWAss Set-PW	Account : Account password		
P52	HWAss TMS-DF	Hardware: Recover factory default		
P521	HWAss TMS-DF	Fac-Set : Scale parameter(P1x)	The interface that requires to input validate code will be shown before default setting. Input 9958 to finish setting.	
P522	HWAss TMS-DF	Base-DT : default working data		
P523	HWAss TMS-DF	EraseDT : all working data(P2x)		
P524	HWAss TMS-DF	Fac-All : all parameters and data		

Reference Table for Errors and Its Instructions

Number	Alarm instructions	Methods to handle
E0.00	Alarms for measurements	
E0.01	Weight is not stable when the scale start-up.	Make sure there are no heavy goods on the tray and that the tray is stable. If the alarm is still on, there may be something wrong with the sensor.
E0.02	Exceed the allowed start-up zero range	Make sure there are no heavy goods on the tray and the tray is on the bracket. If the alarm is still on, there may be something wrong with the sensor
E1.00	Alarms for operations	
E1.01	Prog data is invalid.	Input valid data again.
E1.02	Input passwords of 2 times to amend password are different	Re-amend password, and make sure 2 times input are the same.
E1.03	The selected print format do not exist	Set print format again
E1.10	Sale at 0 price is forbidden.	The sale whose sell price is 0 is forbidden. Refer to Spec070.
E1.11	Exceed the largest sale price.	Total price or grand total price of sold goods exceeds the largest sale price.
E1.12	Need to return to zero point	Return to weight zero before sale. Refer to Spec069.
E1.13	Exceed accumulative limit	The accumulative times are over buffer accumulate limit
E1.14	There is data in buffer and cannot print in single.	Print the data in buffers first. Then print this sale or switch to other buffers.
E1.15	No cashing mode, cannot execute the cashing operation.	The scale is set to be no cashing mode. Refer to Spec060.
E1.16	Cashing mode with zero change default is forbidden.	Execute cashing operation after inputting payment amount. Refer to Spec060.

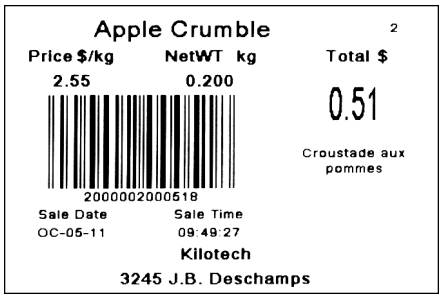
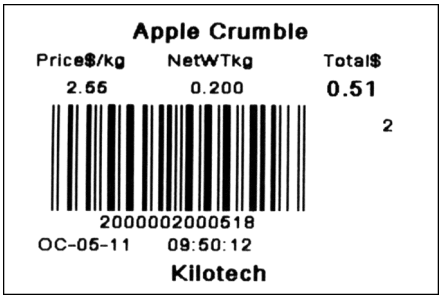
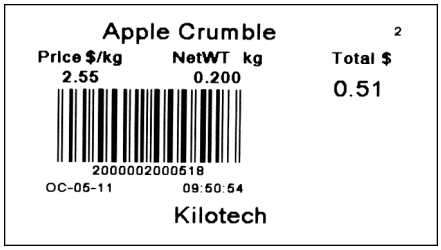
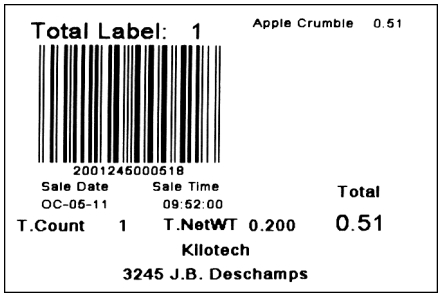
Number	Alarm instructions	Methods to handle
E1.17	Payment is less than sale price.	Charge enough money which is larger than sale price.
E1.18	System cannot execute accumulative operations while locking PLU.	Before accumulative operations, system needs to exit lock PLU (or auto mode) first.
E1.19	System cannot switch buffers into buffer with accumulation while locking PLU.	Operate in current buffer, or exit lock PLU (or auto mode).
E1.20	Not allow no weigh sale for weight goods	Refer to Spec071.
E1.21	Less than smallest sale weight	Weight needs to be larger than smallest sale weight.
E1.22	Larger than largest sale weight	Weight needs to be smaller than largest sale weight.
E1.23	Discounted U.Price has to be less than discount lower limit.	Discounted in allowed range, or amend the allowed range.
E1.24	Discounted U.Price has to be higher than discount upper limit.	
E1.25	Discount is forbidden.	Refer to Spec110
E1.26	Manual weight entry is forbidden	Refer to Spec077
E1.27	Manual weight entry failed for weight is not zero.	Take off goods, or press【Zero】
E1.28	T-Sale is forbidden	Refer to Spec076
E1.29	Sale of Weight PLU or count PLU is forbidden.	Refer to Spec075
E1.30	Cannot enter special sale mode	Selected PLU have conflict with special sale mode, select again
E1.31	Working on forced auto printing after zero-return. PLU Quitting is forbidden.	Finish printing of current PLU.
E1.32	Transfer sale buffer is forbidden under accumulate mode	Press【Confirm】or【Cancel】exit the accumulate mode, then go on transfer
E1.33	Transfer sale mode forbidden	Refer to Spec079
E1.34	The scanned barcode cannot be parsed	Confirm the scanned PLU have been edited, interior barcode format station right
E1.35	Tare renew function forbidden	Must turn over tare, then go for tare
E1.36	Salesman is not exist	Login with exist personnel
E1.37	Salesman's password cannot be 0	Login with personnel whose password is not 0
E1.38	Service charge is forbidden	Open the function at Spec307
E2.00	Alarms for forbidden	
E2.01	Forbid F-Prog of PLU	Refer to Spec080.
E2.02	Forbid F-Prog of PLU shortcut keys	Refer to Spec081.
E2.03	Forbid F-Prog of Spec data parameters	Refer to Spec082.
E2.04	Forbid Re-print	Refer to Spec065.
E2.05	Menu quitting via pressing【Sale】【Prog】【Account】is forbidden.	Quit the menu by press【Cancel】some times.

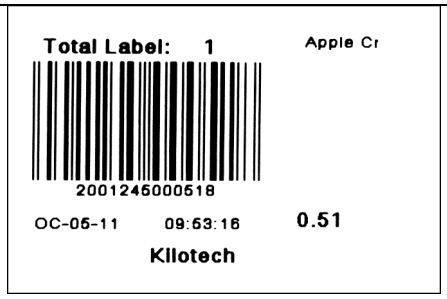
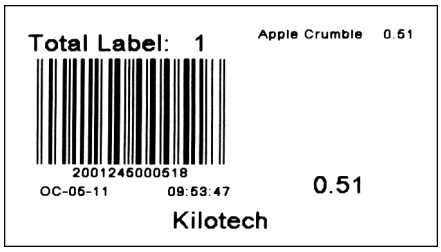
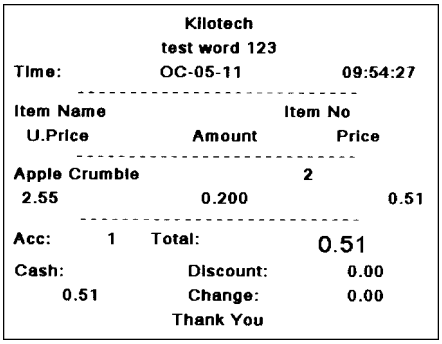
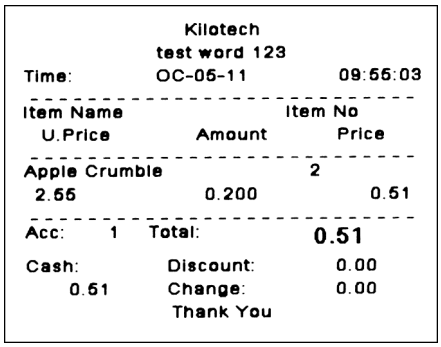
Number	Alarm instructions	Methods to handle
E2.06	A44 report forbidden	Refer to Spec141.
E2.07	A6 report forbidden	Refer to Spec141.
E6.00	Alarms for peripheral	
E6.10	PTR: Print sensor calibrate wrong	Do calibrate operation with Ethernet Printer
E6.11	PTR: Gap paper is not taken away.	Take away the printed label paper. **If there is still alarm this problem, do calibrate operation with Ethernet Printer**
E6.12	PTR: Print mouth is not closed tight.	Install the paper and close mouth.
E6.13	PTR: Printer is working.	Please wait for a few seconds and try again.
E6.14	PTR: Lack of plain paper	Reinstall plain paper or the paper type cannot match.
E6.15	PTR: Lack of gap paper	Reinstall label paper or the paper type cannot match. **If there is still alarm this problem, do calibrate operation with Ethernet Printer**
E6.16	PTR: The printer cannot find the gap intervals.	The paper type cannot match and change the type to plain paper or reinstall gap label paper. **If there is still alarm this problem, do calibrate operation with Ethernet Printer**
E6.17	PTR: The printer cannot find gap alignment positions.	Label paper is used up or paper type cannot match with set paper type. Please reinstall label paper.
E6.18	PTR: The printer is overheated and it needs to cool down.	Please wait for a few seconds and try again.
E6.19	PTR: There is no response of the printer.	The printer may not be connected or in the state that the printer could not print.
E6.20	PTR: Print sensor calibrate wrong	Printer process do not follow general time order and finish the working, unknown print error
E6.21	PTR: Communication Error	Checkup the Ethernet cable
E7.00	Alarms for hardware	
E7.01	Some keys are pressed when the scale starts.	Please confirm that no keys are pressed. In this interface, the last window display pressed keys. 8-5 means the key in 8th column from the left and 5th row from the top is pressed. In this interface, the second window displays the calibrated times.
E7.10	Print sensor calibrate wrong	Refer to the chapter on calibration again
E7.11	Gap paper is not taken away.	Take away the printed label paper. **If there is still alarm this problem, refer to the chapter on printing in the manual.**
E7.12	Print mouth is not closed tight.	Install the paper and close mouth.
E7.13	Printer is working.	Please wait for a few seconds and try again.
E7.14	Lack of plain paper	Reinstall plain paper or the paper type cannot match.
E7.15	Lack of gap paper	Reinstall label paper or the paper type cannot match. **If there is still alarm this problem, reference printing in the manual.**
E7.16	The scale cannot find the gap intervals.	The paper type cannot match and change the type to plain paper or reinstall gap label paper. **If there is still alarm this problem, reference printing in the manual.**

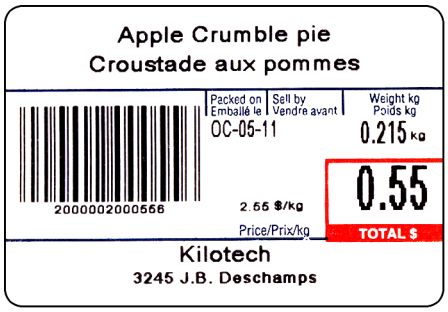
Number	Alarm instructions	Methods to handle
E7.17	The scale cannot find gap alignment positions.	Label paper is used up or paper type cannot match with set paper type. Please reinstall label paper.
E7.18	The printer is overheated and it needs to cool down.	Please wait for a few seconds and try again.
E7.19	There is no response of the printer.	The printer may not be connected or in the state that the printer could not print.
E7.20	The printer over time	Printer process do not follow general time order and finish the working, unknown print error
E7.23	PDS calibration failed, ignore PDS	Try to recalibrate, this failure will not affect general use
E7.30	Alarm for full storage of deals records.	Enter Account interface. Calculate reports and then clear the reports.
E7.40	Time error	Time module error, if scale work for years, then it means to change the battery on main board
E7.50 E7.51 E7.52 E7.53 E7.54 E7.61	Hardware error	Inside examine and repair code, if restart again and again, but still exist this question, need return to factory for repair
E7.62	Wire-Network module do not exist or working irregular	If no wire-network module in present scheme, please close the network module (set Spec043=0) .
E7.63	Wireless-Network module do not exist or working irregular	If no wireless-network module in present scheme, please choose wire-network module(set Spec050=0) .
E7.70	AD work irregular or load cell irregular	Confirm load cell install right
E7.81	DC power is too low	If device is working with battery, please charge it first. If user confirm that power is right, please set Spec235=1 to close the power detect module
E7.82	DC power is too high	If device is working with battery, it means battery is not match with the device. If user confirm that power is right, please set Spec235=1 to close the power detect module
E8.00	Alarms for communications	
E8.11	USB flash disk port does not connect with the scale.	Please confirm that the scale used owns U-Disk port. If it owns, and this alarm cannot be cleared after several times' reboot, please use the guarantee.

Number	Alarm instructions	Methods to handle
E8.12	USB flash disk does not exist.	Please confirm that USB flash disk is correctly inserted. Notice that removable disk cannot be used. And the capability of USB flash disk is less than 2G. In addition, USB flash disks of some brands may not work properly. Please try another USB flash disk of different brand.
E8.13	The file in USB flash disk does not exist.	Confirm that appointed files are inside of USB flash disk.

Label Formats

Label Number	Example:	Description
1		Item Label 58 x 40mm
2		Item label 40 x 30mm
3		Item label 58 x 30mm
4		Total label 58 x 40mm

5		Total label 40 x 30mm
6		Total label 58 x 30mm
7		Receipt 58mm width
8		Receipt 40mm width
9		Receipt 48mm width

	Kilotech test word 123 Time: OC-05-11 09:58:22 --- Item Name Item No U.Price Amount Price --- Apple Crumble 2 2.55 0.200 0.51 --- Acc: 1 Total: 0.51 Cash: Discount: 0.00 0.51 Change: 0.00 Thank You	
10		Kilotech stock label 58 x 40mm
11		Kilotech stock label 58 x 60mm