

T-Touch

Operation Manual

PA Series Label Printing Scale

T-Touch

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8. TECHNICAL DATA

8.1. General Specification

MODEL	PEA10	PA10	PA15	PA18
Display	10" Front & 7" rear TFT LCD	10" Front & 10" rear TFT LCD	15" Front & 15" rear TFT LCD	18" Front TFT LCD
Display Resolution	10": 1280*800 px;	10": 1280*800 px;	15":1366*768 px;	18":1366*768 px
Max Capacity	6kg/15kg; 15kg/30kg			
Min Capacity	40g; 100g			
Readability	2g/5g; 5g/10g			
Max. Divisions	2x3000e			
Weighing Units	kg, g, tj, gj, lb, oz, lz			
Pan size	280x385 mm			
Accuracy Class	Class III			
Housing	ABS Plastic and Stainless Steel pan			
Touch Control Mode	Resistance Screen		Capacitive screen	
CPU	A17 Quard Core			
OS	LINUX			
RAM	2G			
Data memory	16G NAND flash			
Interface	2*RS232; 1*RJ11; 4*USB2.0; 1*RJ45 ;WIFI			
Operation Temperature	-10° C to 40° C			
Operation Humidity	<85%			
Stabilisation Time	1 Seconds typical			
Power	100~240VAC main power cord ; Optional Adapter: Out put :DC 24V/6350mA			
ADC	Sigma delta			
Internal counts	600,000			
ADC update	Max 60 times /second			
Load Cell	BX6 C3 (T-Scale) or L6D C3 (Zemic)			
Load cell drive voltage	Max 5V/150mA			
Net weight	10 kg	11 kg	12 kg	12.5 kg
Gross weight	11 kg	12 kg	13 kg	13 kg
Dimension	L:552xW:387xH:464	L:509xW:532xH:572	L:398xW:389xH:615	L:374xW:399xH:619

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		scale. Disconnect battery and charger, connect again and turn on the power
Disconnect AC adapter will turn off power	Battery low	Verify the batteries are rechargeable types and charging voltage getting proper. Plug AC adapter to charge battery. Replace battery
LCD off but power LED on	Scale in sleep mode System hang	Press ON/OFF key to back to working mode Hold ON/OFF key for 6 seconds to restart the scale. Disconnect battery and charger, connect again and turn on the power
Can't turn on power after update software by USB	System hang Update software incorrect, Used old core software.	Disconnect battery and charger, connect again and turn on the power. Use another USB flash driver to update software. Update core software.
Not Printing	Printer Format not select,	Select the print format as default or for the specific product .

7.1. Error messages

--ol--	Over load	Remove the load. Re calibrate
--ul--	Underload	Minus weight, check the platform and restart or calibrate.
Err 4	Zero setting error	Zero setting range exceeded due to switching on.(4%max) Make sure platform empty.
Err 19	Initialize zero error	Calibration the scale.

In the case of errors which you cannot eliminate yourself and which are not described in these operating instructions, please contact T-Scale technical support team.

7. TROUBLE SHOOTING

The following table lists the most common problems along with their solutions and assists you to solve problems.

Problem	Possible cause	Common solutions
Cannot turn on power	Mains power is turned off Power supply is not plugged in Power supply faulty Display is turned off	Check power switch is turned on, and power LED is working. Verify the voltage going to the scale matches the power supply labels on the power module or scale.
Display is unstable	Air variation Pan is in contact with foreign materials or not installed correctly Sample is moving (animal weighing) Vibrations from table Dramatic Temperature changed Power supply / battery faulty	Verify the scale is in an acceptable location and on a good table / surface. Verify the power supply is correct for the scale.
Weight value incorrect	Calibration error, Linearity error, Linearity calibrated with inaccurate weights Balance not leveled some materials between the sample and cover, Wrong weighing unit displayed	Calibrate again, pay attention to the test weight used, the stability of the scale, and the required weighing unit. If it's required do the linear calibration. Check pan is installed correctly. Verify installed in an acceptable location.
Cannot use Full Capacity	Overload Stopper touching pan support or bottom of the load cell *Transportation lock not removed, A/D circuit problem, Parameters set incorrectly, Load Cell or mechanics Damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Check the weighing units used.
Not Linear	Overload stopper touching, Load cell or mechanics damaged A/D damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Re calibrate and linear calibrate with ideal standard weights
Off Center Loading error	Adjust mechanism. Overload Stops not correct. Load Cell damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Ensure load cell fixed correctly.
Touch screen incorrect	Touch screen need do correction Housing assembled by over tighten.	Connect a mouse, use mouse to enter touch screen correction for to calibrate touch screen. Loose housing screws, if overtighten.
System hang	Software error, need restart	Hold ON/OFF key for 6 seconds to restart the

1. SAFTY INSTRUCTIONS



WARNING

DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTALLING, CLEANING, OR SERVICING. FAILURE TO DO SO COULD RESULT IN BODILY HARM OR DAMAGE THE UNIT.



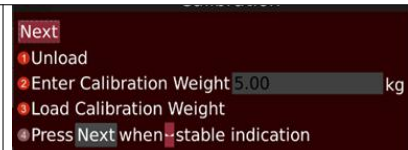
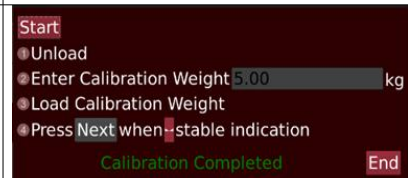
CAUTION

- Permit only qualified persons to service the instrument
- Before connecting or disconnecting any components, remove the power.
- Failure to observe these precautions bodily harm or damage to destruction of the equipment.

SAFETY INSTRUCTION

The weighing scale is a precision electronic instrument, handle it carefully.

- 1) The device must only be operated by personnel trained in the operation of this equipment.
- 2) The operating personnel must read and understand the safety instructions in these operating instructions.
- 3) To prevent any accident, only qualified service personnel is authorized to open this device!
- 4) Verify the local voltage and receptacle type are correct for the scale.
- 5) Only use original adaptor, other could cause damage to the scale.
- 6) Pluggable equipment must be installed near an easily accessible socket outlet.
- 7) Avoid unstable power sources. Do not use near large users of electricity such as welding equipment or large motors.
- 8) Avoid sudden temperature changes, vibration, wind and water.
- 9) Avoid strong pressure or scratching the surface with hard, sharp or pointed objects.
- 10) Avoid heavy RF noise.
- 11) Scale is not waterproof and insect prevention. Do not spray or immerse scale in water. Please keep scale clean.
- 12) Do not install the scale in direct sunlight.
- 13) Do not use tools to open the casing.
- 14) Do not use organic acid, alkaline solutions, scouring powders or plastic dissolving cleaning agents for cleaning.

Click "Next" key. 3) Load Calibration Weight (Place the test weight on the platter)	
Click "Next" key. 4) Press "Next" key (Calibration Completed) Click the "End" key for close the window or If the display shown fail, click "Start" key for continue again.	

Note: OIML approved version must be press the calibration switch for accessing legally relevant function.

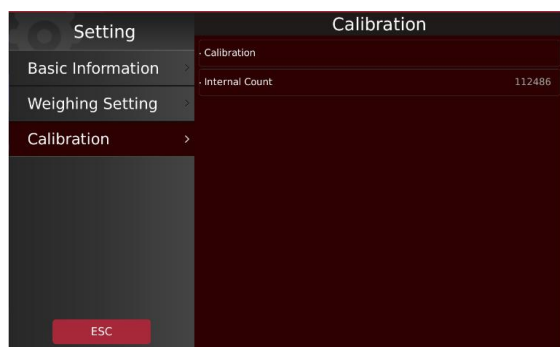
6. CALIBRATION

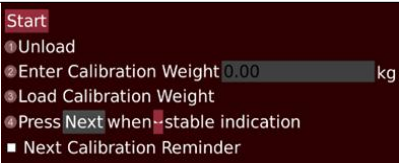
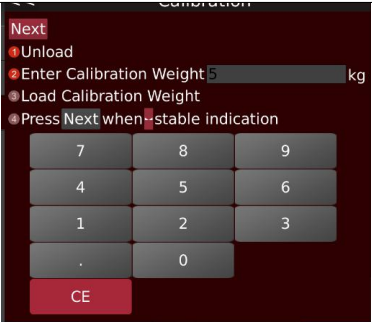
It's allows you to do the calibration by using different ways to use in the different environments.



Click  key to enter parameter setting. It may be ask to input password to access the parameter,

The default password is 999999999. Before to enter calibration mode, it's required to press calibration switch, locating below the scale.



Steps	Remarks
Calibration. Click "Start" key. 1) Unload (Remove goods from the plater, if any)	
Click "Next" key. 2) Enter Calibration Weight (Click the weight value field for entering test weight value. Better to use minimum 1/3 of the scale capacity)	

2. PRODUCT DESCRIPTION

2.1 General

The PA Series T-Touch label printing scale series include full-fledged features, interfaces, and choice of 7 or 10 inch high definition customer displays. Self-Service scale has a large 15.6" or 18.1" Touch Screen Display. The standard models are high end products for customers who aim for luxurious functions. T-touch Intelligent scale functions ensure that user can easy to find the PLU's, fast and reliable.

With the use of a Touch Screen user interface it is possible to also control Self-Service scales from the back office by using T-Touch Central Software.

Major Features

- Linux Operating System
- ARM CORTEX A17 processor based design
- Resistive Type Touch screen (PEA10 & PA10) and Capacitive Type Touch screen (PA15 & PA18)
- HD LCD
- 2GB RAM, up to 99999 PLU storage
- Different methods of communications: RS232, Ethernet, Wi-Fi, USB Host for keyboard /Mouse/Scanner interface.
- Three ranges and selectable basic unit such as kg, g, lb, oz, tj, gj, lb:oz.
- All options are controlled from menu. No spec list provided and easy to operate.
- Mapping of logical devices to physical devices option enables rerouting of data output/input to working physical device.

2.2 Touch Screen

- PA Series delivered with Resistive type TFT Touch Screen Display for PEA10 & PA10 series and capacitive type TFT Touch Screen Display for PA15 & PA18 series
- The Touch Screen functions based on the resistive type, Touch Screen Display only depends on the applied pressure and not on the material itself; So that the Touch Screen can also be operated with finger tips, pen tips and rubber gloves.
- The capacitive touch screen require only to depend on touch, not on pressure, so that it can operate much more smoother with fingers.
- The resolution of the 10" display is 1280 x 800 pixels and the resolution of the 15.6&18.1" display is 1366x768 pixels.

2.3 Label Printer

PA Series is equipped with Cassette System Label printer. Printing resolution is 8dots/mm, printing speed 100mm/s, max printing width 54mm.

2.4. Interfaces

PA Series is equipped with 1xRJ45, 1xRJ11, 4xUSB2.0, and 2 x RS232 interface



No.	Interface	Quantity	Description
1	OTG	1	For update system software
	USB2.0		For mouse, keyboard, bar code scanner, avoid using for charging other device
2	USB2.0	3	For mouse, keyboard, bar code scanner, avoid using for charging other device
3	RJ45	1	Ethernet (Giga LAN)
4	SD Slot	1	N.A, Reserved for ANDROID application
5	RJ11	1	Cash drawer (12V)
6	RS-232	2	For printer or other supported equipment

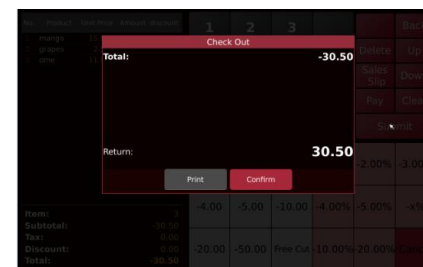
- 5 Once the returning accumulation is completed, Click once  key to enter quick check out or press & hold to enter the normal the check out page.

- 6 If it's normal check out Select  key to confirm.

- 7 Return total amount to the customer then confirm the amount. The sales return ticket will be printed.

Note: Check Out Window's "Print" key can print additional receipts.

Note: Accumulating operation and return operation cannot be used concurrently.



Discount Keys:

Discount keys are used to store fixed / percentage values.

Press and hold  or  keys to store values, numeric keys window will pop up.

-0.00	-0.00	-0.00	-0.00%	-0.00%	-0.00%
-0.00	-0.00	-0.00	-0.00%	-0.00%	-x%
-0.00	-0.00	Free Cut	-0.80%	-0.00%	Cancel

No	Product	Unit Price	Amount	discount	1	2	3				Back
1	Black lung	2.76	2.76								
2	carp	3.96	3.96								
3	chicken	7.96	7.96								
4	crab	3.36	3.36								
5	Crucian ca	4.76	4.76								
6	Frog meat	118.00	118.00								
7	Horse me	23.60	23.60								
8	leach	3.26	3.26								
9	lobster	6.38	6.38								
10	mutton	8.36	8.36								
11	owens	11.96	11.96								
12	Parabrami	3.96	3.96								
13	Pettecoba	7.96	7.96								
14	pork	3.16	3.16								
Item:	15				-0.00	-0.00	-0.00	-0.00%	-0.00%	-x%	
Subtotal:	209.40				-0.00	-0.00	Free Cut	-0.80%	-0.00%	Cancel	
Tax:	0.00										
Discount:	0.00										
Total:	209.40										

 key is used for direct discount amount input.

 key is used for direct percentage discount input.

-1.00	-2.00	-3.00	-1.00%	-2.00%	-3.00%
-4.00	-5.00	-10.00	-4.00%	-5.00%	-x%
-20.00	-50.00	Free Cut	-10.00%	-20.00%	Cancel

5.4.9. Sales Return Operation

- Sales return operation is for customer returns.
- Select an unused Vendor key from the list.
- Place the goods on the platform and select the product name.

- Press and hold the  key. The item will be add into sales list. The weight and price will be displayed as negative values.

Item	Weight	Price	Amount	Discount	Total
0.00	1.00	11.98	11.98		ome
Ranking	Group 1	Category 2	Page 1	More	
1	apple	apricot	banana	Carambola	
2	cherry	durian	figs	grapefruit	grapes
3	hawthorn	kiwi	lechu	loquat	mango
4	mangosteen	mulberry	nectarine	nuts	one

2.5. Models

2.5.1. PEA10

The PEA10 T-Touch label printing scale series include full-fledged features, interfaces, and choice of 7" Pole type or bench type high definition customer displays.



Pole type



Bench type

2.5.2. PA10

The PA10 T-Touch label printing scale series include full-fledged features, interfaces, and choice of 10" Pole type or bench type or elevator type.



Pole type



Bench type

2.5.3. PA15

The PA15 T-Touch label printing has a large 15.6" Touch Screen Display , Include full-fledged features, interfaces and choice of signal display or double display on top.

**2.5.4. PA18**

The PA18 T-Touch label printing Self-Service scale has a large 18.1" Touch Screen Display. Include full-fledged features, interfaces



1	0	to	Numeric Key	For payment amount input
	9			
2	Remain		Remain key	The remaining payment will be generated automatically
3	CE		Clear Key	To clear current number input
4	Delete		Delete Key	To delete sales item
5	Sales Slip		N.A	Reserved
6	Pay		Payment Key	Continue to payment process
7	Back		Back Key	Return to the sales window
8	Up	Down	N.A	Reserved
9	Clear		Clear Key	To clear current payments
10	Submit		Submit	To confirm payment
11	-1.00		Value Discount Key	To apply fixed discount
12	-1.00%		Percentage Discount Key	To apply percentage discount
13	Cancel		Cancel Key	To clear discount values
14	Detail		Sales Detail key	To check sales details
15	Cash		Cash Key	To apply Cash Payment entries
16	Card		Card Key	To apply Card Payment entries
17	Coupon		N.A	Reserved
18	Other		N.A	Reserved

5.4.8. Checkout

5.4.8.1. Quick checkout



After accumulating the items, click **Check** key to checkout and print receipt.

No.	Product	Unit Price	Amount	Discount	1	2	3		Back
1	Caramb	19.00	12.16	0.00	4	5	6	Remain	Delete Up
2	Caramb	19.00	18.24	0.00	7	8	9	<<	Sales Slip Down
					.	0	00	CE	Pay Clear
									Submit
					-0.00	-0.00	-0.00	-0.00%	-0.00%
					-0.00	-0.00	-0.00	-0.00%	-x%
					-0.00	-0.00	Free Cut	-0.00%	-0.00%
									Cancel
Item:									
Subtotal:			30.40						
Tax:			0.00						
Discount:			0.00						
Total:			30.40						

5.4.8.2. Detailed checkout



a) After accumulating the items, long press **Check** key to enter the detailed page;

Item:	3	1	2	3		Back
Subtotal:	46.80	4	5	6	Remain	Delete Up
Tax:	0.00	7	8	9	<<	Sales Slip Down
Discount:	0.00	.	0	00	CE	Pay Clear
Total:	46.80					Submit
Remain:	46.80					
Pay1:	0.00				Cash	Other
Pay2:	0.00					
Pay3:	0.00				Member Card	
Pay4:	0.00				Coupon	
Change:	0.00					

b) Click key to jump out of the payment method;

c) Choose a payment method, click **Submit** key;

d) After completing this transaction and printing out the receipt, the screen returns to the normal sales page

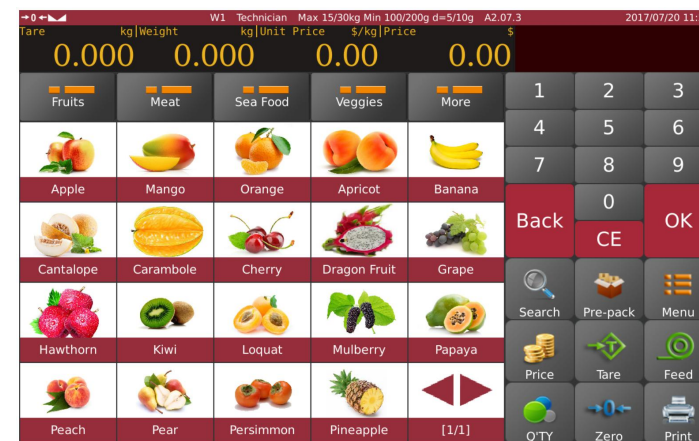
No.	Product	Unit Price	Amount	discount	1	2	3		Back
2	Black fung	2.76	2.76	0.00	4	5	6	Remain	Delete Up
3	carp	3.96	3.96	0.00	7	8	9	<<	Sales Slip Down
4	chicken	7.96	7.96	0.00	.	0	00	CE	Pay Clear
5	crab	3.36	3.36	0.00					Submit
6	Crucian ca	4.76	4.76	0.00	-1.00	-2.00	-3.00	-1.00%	-2.00%
7	Frog meat	118.00	118.00	0.00	-4.00	-5.00	-10.00	-4.00%	-5.00%
8	Horse mez	23.60	23.60	0.00	-20.00	-50.00	Free Cut	10.00%	20.00%
9	loach	3.26	3.26	0.00					Cancel
10	lobster	6.38	6.38	0.00					
11	mutton	6.36	6.36	0.00					
12	oysters	11.96	11.96	0.00					
13	Parabrami	3.96	3.96	0.00					
14	Pelteobagi	7.96	7.96	0.00					
15	pork	3.16	3.16	0.00					
Item:									
Subtotal:			209.40						
Tax:			0.00						
Discount:			0.00						
Total:			209.40						

Sales List Window

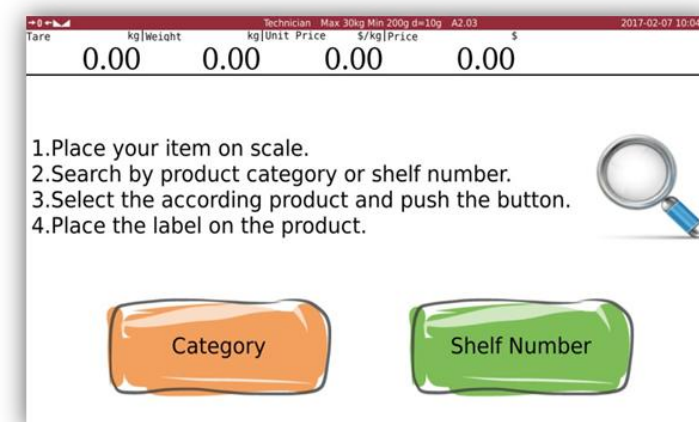
Discount value by fixed amount

Discount value by fixed percentage

2.6. Touch Screen (Example of Operation / User Interface)

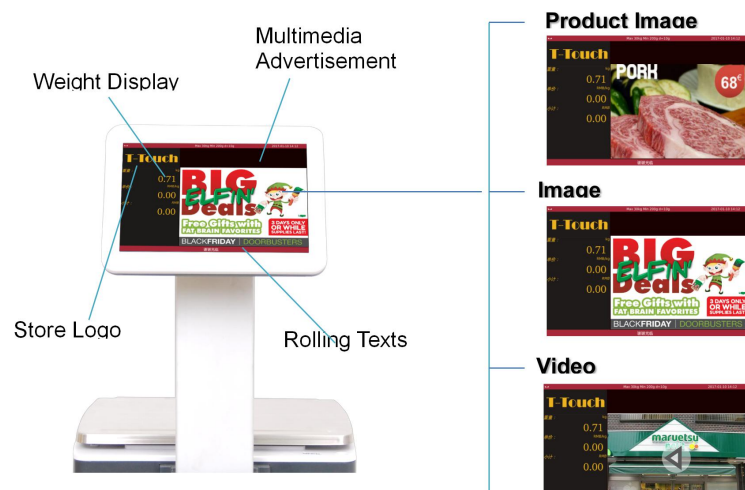


Labeling Mode



Self-Service Mode

2.7. Customer Display



5.4.5. Non- Weighed Item/ PCS PLU Operation

- Select a Non –Weighed PLU from the direct PLU list or Indirect PLU list.
- Display will be show selected product name & number and default number of item.

Tare	kgQuantity	kgUnit Price	/kgPrice	009
---	1	19.00	19.00	Carambola

- c) By clicking  key allows to input required PCS value.

The screenshot shows a mobile application interface for a shopping cart. At the top, there's a 'Total' section displaying a price of 19.00. Below this, a list of items is shown, each with an image, name, and price. The items are: Apple (4.00), Apricot (2.00), Banana (3.00), Carambola (1.00), Kiwi (3.00), Orange (2.00), Papaya (2.00), Pear (2.00), Pineapple (2.00), and Strawberry (2.00). The bottom navigation bar includes icons for Home, Cart, and Profile, along with a 'Total' button showing 19.00.

Item	Quantity	Price
Apple	1	4.00
Apricot	1	2.00
Banana	1	3.00
Carambola	1	1.00
Kiwi	1	3.00
Orange	1	2.00
Papaya	1	2.00
Pear	1	2.00
Pineapple	1	2.00
Strawberry	1	2.00

- d) Click **V1** key to save

5.4.6. Single item deletion

- a) Select the items to be deleted in the ACC list;



- b) Click **Delete** key to delete the selected item, this item will display a red line;



- c) Select the deleted item , click **Delete** key again to clear the red line.

5.4.7. All items deletion



- Click **Delete** key, the "delete sales list" prompt will pop up.
- Click "Yes" to delete acc list, click "No" to exit.

The screenshot displays a mobile application for a fruit market. At the top, a header bar shows the selected item 'Carambola' with a price of 19.00. Below this, a grid of fruit categories is visible, each with an image and a label: Apple, Apricot, Banana, Carambola, Kiwi, Orange, Papaya, Pear, Pineapple, and Strawberry. The bottom navigation bar contains icons for Home, Cart, Search, and Menu.

PLU	Product ↓	Price		
002	2	12.00	A	B C D
001	apple	1.00	E	F G H
006	Apricot	16.00	I	J K L
008	Banana	18.00	M	N O P
022	Beef	12.00	Q	R S T
020	Broccoli	20.00	U	V W X
009	Carambola	19.00	Y	Z
012	Celery	12.00	ABC	<< CE Back
024	chicken	14.00		
021	Chinese cabbag	11.00		
016	Cucumber	16.00		

5.4.3. Manually Enter Unit Price/Quantity

1)When the product info is not pre-established in the scale;



2) Click key to enter unit price manually;

3)Click OK to confirm and follow to weigh;

4)For Non weight product, enter unit price and follow to enter quantity manually to get the PCS of the products;



5)Click key to enter manually enter quantity.

5.4.4. Weighed Item PLU Operation

a) Select a Weight PLU from the direct PLU list or Indirect PLU list.

b) Display will be show selected product name & number

Tare	kgWeight	kgUnit Price	/kgPrice		
0.00	0.00	1.00	0.00	apple	001



c) Select key to save.

The accumulated items will be displayed in the ACC list.

Tare	kgWeight	kgUnit Price	/kgPrice		
0.00	0.00	19.00	0.00	Carambola	009
category1	category2	category3	category4	More	
apple	Apricot	Banana	Carambola	Kiwi	
Orange	Papaya	Pear	Pineapple	Strawberry	
Items: 2	Total	12.78			

3. INSTALLATION

3.1. Unpacking

When you receive the scale, inspect it to make sure that it is not damaged and that all are parts are included:

- Remove the scale from the carton.
- Remove the protective covering. Store the packaging and to use if you need to transport the scale later.
- Inspect the scale for damage.
- Make sure all components are included.
 1. Scale ; 2. Adaptor ; 3. Manual; 4.SST Pan

3.2. Leveling Device



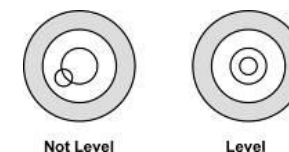
The installation, leveling and application are handled by TSCALE authorized person.

Scale should only be connected to the mains with the power cord or charger supplied.

The water level is used to level your scale. It is fixed at the back of the device.



Water Level



- Bubble has to be in the center of the water level.
- The correct alignment of the device can be achieved by adjusting the adjustable scale feet.
- The water level should be checked regularly to assure a correct level reading.
- When moving the scale, the level should be checked and corrected if necessary.

3.3. Mounting Platter

Platter has to be installed correctly on the pan receptacle



The platter surface should be checked regularly to assure not any foreign materials stored.

d) Display will be show selected product name & number

e) The label will be printed out automatically.

f) Place the label on the product



5.4. Receipt Mode Operation



Click **Sale2** button in the main interface to enter the receipt mode. If there is no button on the main interface, you need to enter Setting> Operation Setting> Show Sale2 and Custom UI, set to Both on.

5.4.1. Direct Product Look-up:

Click directly on the product category on the sales page to select the product.

5.4.2. In-direct Product Look-up:



Click **Search** key to enter product look-up page.

a) Product searching by using PLU number

PLU	Product I	Price	021	PLU	Product I	Price	
021	Chinese cabbag	11.00		002	2	12.00	
				001	apple	1.00	
				006	Apricot	16.00	
			1 2 3	008	Banana	18.00	1 2 3
			4 5 6	022	Beef	12.00	4 5 6
			7 8 9	020	Broccoli	20.00	7 8 9
			0	009	Carambola	19.00	0
			123 << CE Back	012	Celery	12.00	
				024	chicken	14.00	
				021	Chinese cabbag	11.00	
				016	Cucumber	16.00	

b) Product searching by using names

5.3.2. Sales Operation

5.3.2.1. Category Operation

- Place the item on the platform
- Search the product by category
- Select the according product



- Display will be show selected product name & number

1. Select the according product and push the button.
2. Place the label on the product.



- The label will be printed out automatically.
- Place the label on the product



5.3.2.2. Shelf Number Operation

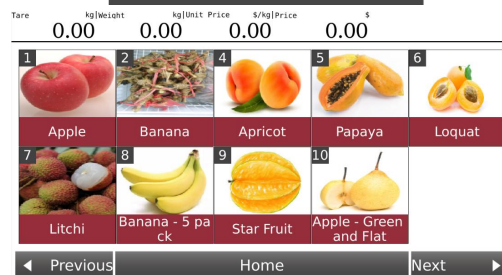
- Place the item on the platform
- Search the product by shelf number



1. Select the according product and push the button.
2. Place the label on the product.



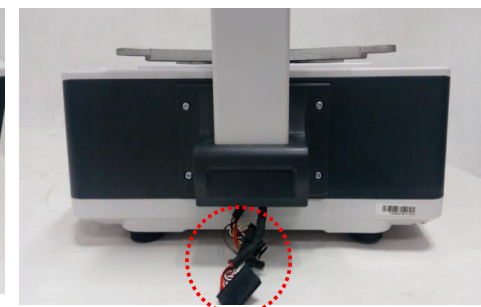
- Select the according product



3.4. Display Installation (Only for PEA10)



① Take out side display cable



② Insert Pole to the holder and take out the cable connectors



③ male and female connectors



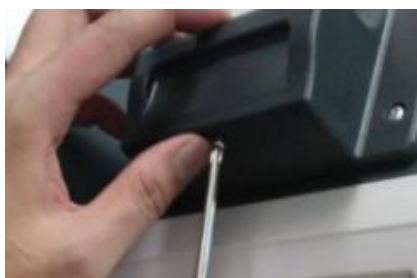
④ Connect all connectors well



⑤ Pull out extra cables to the top



⑥ Insert connectors properly to the holder



⑦ Close the display cover



⑧ Insert additional cables to the rod



⑨ Fix the display to the pole

Tare	kg Weight	kg Unit Price	\$/kg Price	\$
0.00	0.00	0.00	0.00	0.00

1-10	11-20	21-30	31-40	41-50
51-60	61-70	71-80	81-90	91-100
101-110	111-120	121-130	131-140	141-150
151-160	161-170	171-180	181-190	191-200

1.Select the according product and push the button.
2.Place the label on the product.

Home

5.3.1. In-direct Product Look-up:



Click key to enter product look-up page.

b) Product searching by using PLU number

PLU	Product	Price
11050	nectarine	0.00
20027	agarics	11.00
10034	apple	20.00
11015	apricot	0.00
11075	areca	29.80
10030	avocado	30.00
11116	bacon	13.80
10012	balsam pear	12.80
29317	bamboo shoot	35.00
10032	Banana	20.00
10022	beef	15.60

PLU	Product	Price
10287	aloe	10.00
10288	apple	22.00

b) Product searching by using names

PLU	Product	Price
11050	nectarine	0.00
20027	agarics	11.00
10034	apple	20.00
11015	apricot	0.00
11075	areca	29.80
10030	avocado	30.00
11116	bacon	13.80
10012	balsam pear	12.80
29317	bamboo shoot	35.00
10032	Banana	20.00
10022	beef	15.60

PLU	Product	Price
10288	apple	22.00
10292	apricot	33.00

5.3. Self-Service Mode Operation

→ 0 ←	kg Weight	kg Unit Price	Max 30kg Min 200g d=10g	A2.05	2017-02-07 10:04
Tare	kg Weight	kg Unit Price	\$/kg Price	\$	
	0.00	0.00	0.00	0.00	

1. Place your item on scale.
2. Search by product category or shelf number.
3. Select the according product and push the button.
4. Place the label on the product.



Use  key to select different product groups or category.

Tare	kg Weight	kg Unit Price	\$/kg Price	\$
	0.00	0.00	0.00	0.00
Fruits Vegetables Meat				
				

1. Select the according product and push the button.
2. Place the label on the product.

Home

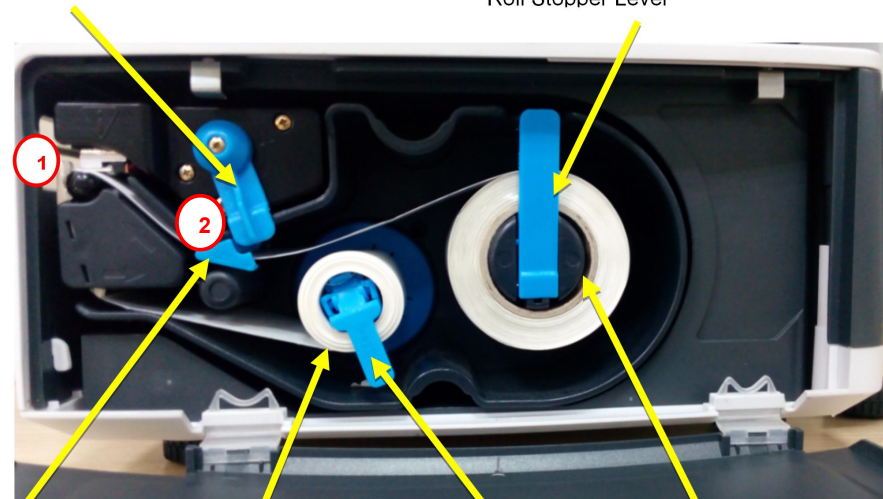


Use  key to select different products by shelf number.

3.5. Cassette Label Printer

Cassette Release Lever

Roll Stopper Lever



Paper Lock

Winding Bobbin

Back Paper
Stopper Lever

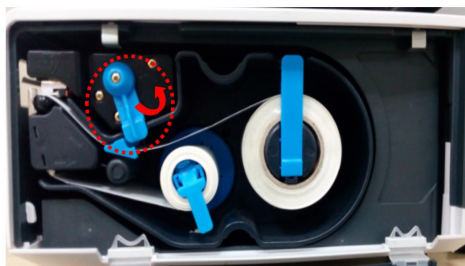
Roll Holder

- ① Label paper must be against the platen roller edge
- ② Back paper must go under this bar

Replacement of Label Roll



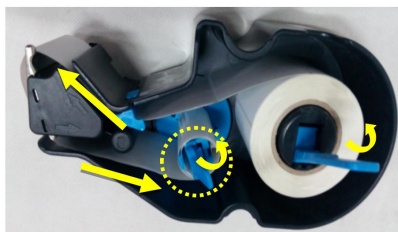
① Open the printer cover



② Turn lever to open position



③ Remove the cassette

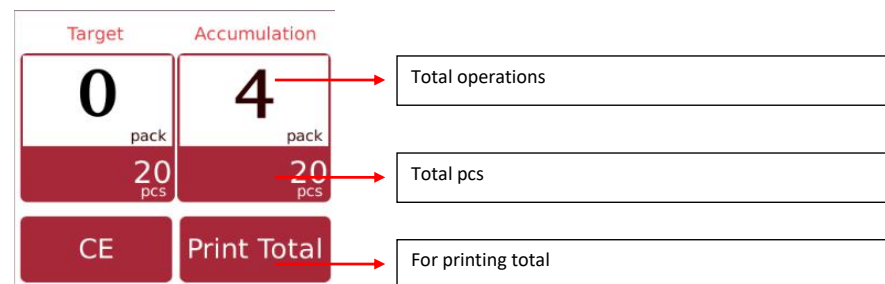
④ Release stopper levers then
Remove back paper roll and label core⑤ Load new label roll, then insert
Back paper under the slot of winding
Bobbin and close the stopper levers⑥ Insert the Cassette and Turn lever to
close position

⑦ Close the printer cover



⑧ Press the feed key

- 14 -



Note: By pressing **CE** key allows clearing the target and accumulation information, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.6.2. Pre-Pack Mode – Manual Print



It allows to do the print by pressing **Print** key when the printed label removed

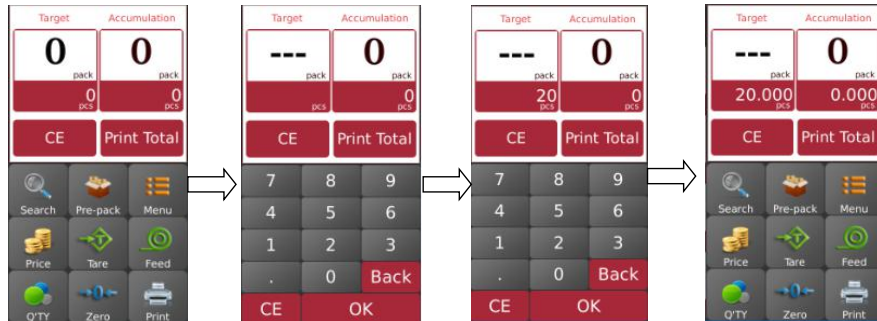
- a) Select a Non- Weight PLU from the direct PLU list or input quantity for non-PLU and follow to Click



Pre-pack key, the display will show pre-pack operation



- b) Click target Window  to input number of pack and follow to click OK key



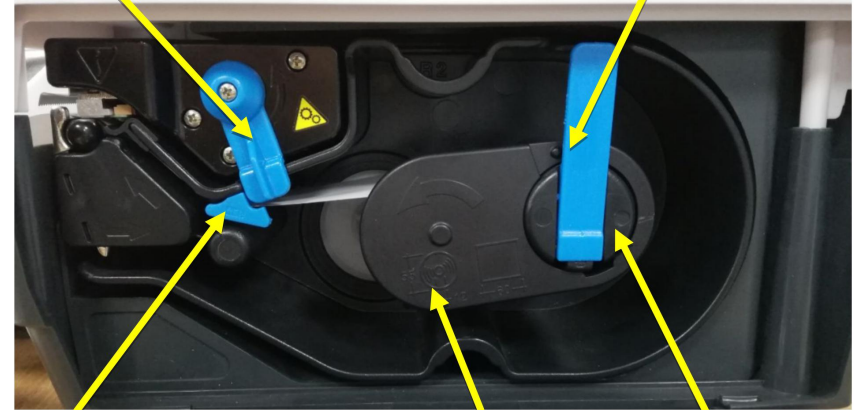
- d) Then press  key to start to print out labels.

- e) Remove the label and press  key to start to print out next label.

3.6. Cassette Receipt Printer (Optional)

Cassette Release Lever

Roll Stopper Lever



Paper Lock

Receipt roll bracket

Roll Holder

- ① Receipt paper must be against the platen roller edge
- ② Receipt paper must go under this bar

Replacement of Receipt Roll



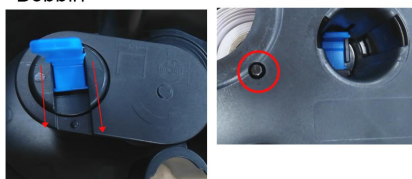
- ① Open the printer cover



- ② Turn lever to open position



③ Remove the cassette

④ Release stopper levers then
Remove receipt roll bracket and receipt roll⑤ Load new receipt roll, then insert
Receipt paper under the slot of winding
Bobbin⑥ Insert the bracket ,one side to receipt
roll ,the other side to roll holder⑦ Turn lever to close position under the
arrow position ,one side of bracket
should be aligned with the hole position.

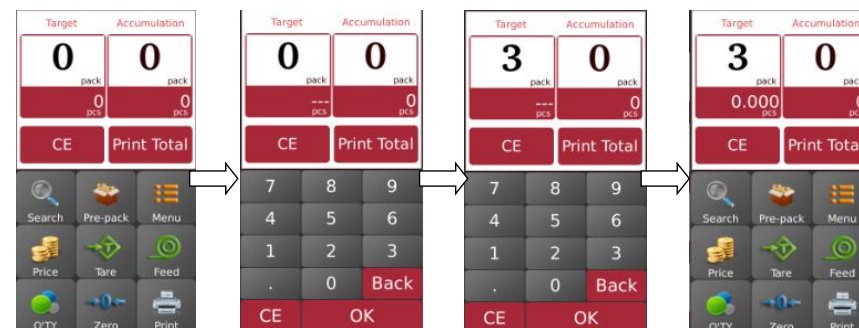
⑧ Turn lever to close position



⑨ Close the printer cover

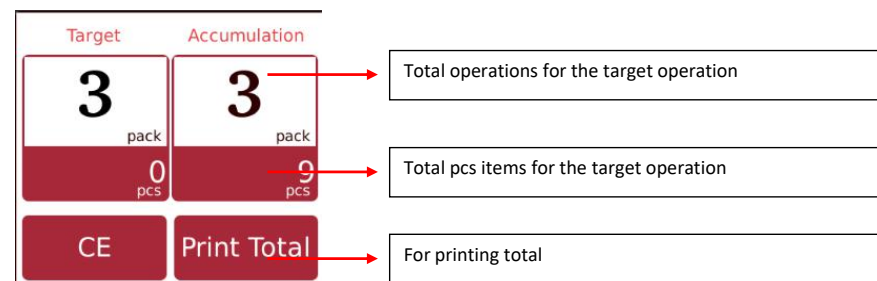


⑩ Press the feed key



b) Then press key to start to print out labels.

c) It will print automatically next label when it's removed printed label.



Note: By pressing key allows clearing the target and accumulation information, or by selecting a new PLU key will be clear existing PLU name & price automatically.



d) Then press  key to get print out label. Label will be print "Other" instead of product name

Note: By pressing



key allows to clearing the current quantity & price, or clicking



key or



key for inputting new values.

5.2.3.6. Pre-Pack Operation-Non-Weighed Items

Note: It should be choose a Non-Weighing PLU or enter the Qty items in advance for operate Pre-Pack Mode



By pressing  key once will start pre-pack function for printing

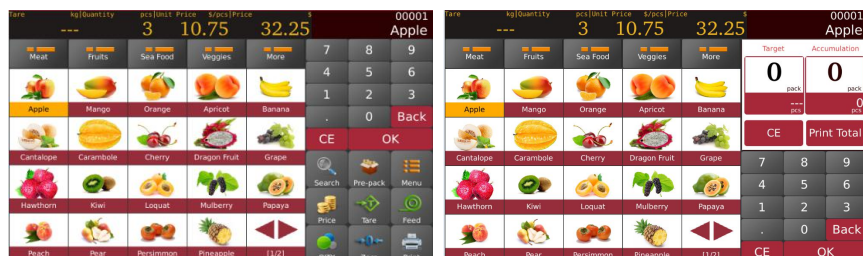
5.2.3.6.1. Pre-Pack Mode – Repeat Print

It's allows to do the print multi labels automatically when the printed label removed

PS: Must be choose the function, Operation Settings > Print after paper is removed > ON for printing next label when the printed label removed



Select a Non- Weight PLU from the direct PLU list or input quantity for non-PLU and follow to Click key , the display will be show pre-pack operation



Target

0

a) Click target Window  to input number of pack and follow to click OK key

3.7. Power Connection



1 Power cord socket

2 Power On/Off key

- To charge the scale, insert the adaptor pin to jack, jack is locating below the scale. Adaptor simply plug into the mains power.
- Do not use any other type of power adaptor than the one supplied with the scale.

3.8. Start Up



Putting into operation.

The device has been installed properly and connected to the mains power supply.
The scale must not be loaded.

1) Once connected to the mains power supply ,the scale will be switched on automatically.

2) Switch on device

Power on: The power-on button is located below the scale.

Long press power-on button until hearing the" beep" sound and the scale is on.

3) Power off

Method 1: Press  key at the main menu screen, and press "Power Off" at the pop up screen to power off

Method 2: Long press power-on button, the power will be off.

4) Restart scale

Press  key at the main menu screen, and press “Restart” at the pop up screen to restart the scale, scale will power off and then come to normal weighing mode.

Note: Avoid disconnecting the mains power supply directly when switch off the scale, otherwise the weighing data will be lost.

3.9. Transport and Storage

Always transport and store the device in its original packaging.

3.9.1. Decommissioning

Switch off the scale

Remove all cables and connections from the scale

Clean the scale as per the cleaning instructions

Store the device in its original packaging

5.2.3.3. Pre-Pack Mode – Repeat Print

It's allows to do the print multi labels automatically when the printed label removed

By item/weight package settings operation as per the section 2.2.3.3.1 & 2

PS: Must be choose the function, Operation Settings > Print after paper is removed > ON for printing next label when the printed label removed

5.2.3.3.4. Pre-Pack Mode – Manual Print



It's allows to do the print manually by pressing  key when the loaded item gets stable and should be return to zero and load an item for operation .

5.2.3.4. Non PLU - Weight item Operation



a) Click the  key input unit price for the item and follow to click OK to confirm

b) Place the item on the pan and wait to get weight stable,





c) Then press  key to get print out label. Label will be print “Other” instead of product name

d) Remove item from the pan for the next operation

Note: By pressing  key allows clearing the target and accumulation information, or Click the  key to input new unit price..

5.2.3.5. Non PLU - Non- Weighed Item/ PCS Operation



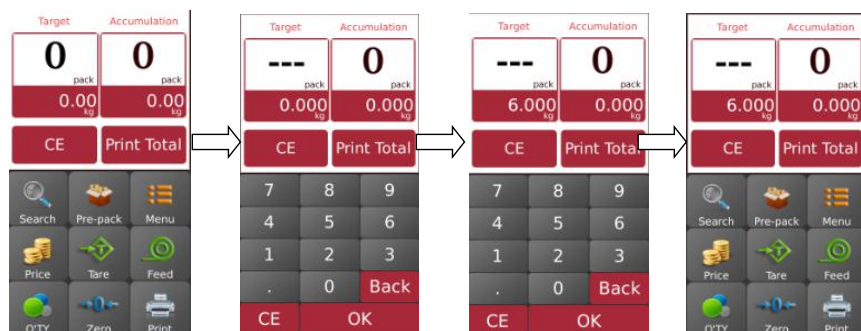
a) Click the  key input unit price for the item and follow to click OK to confirm



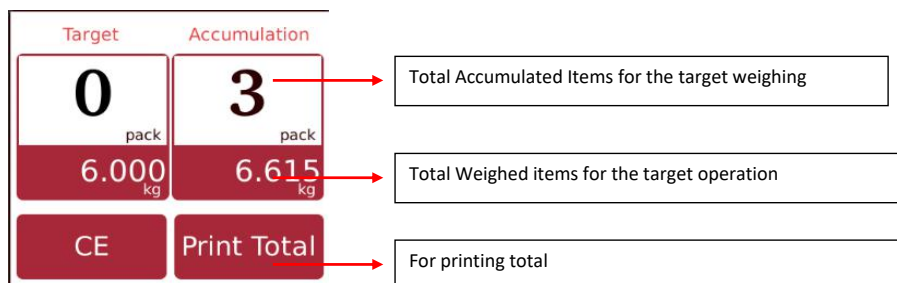
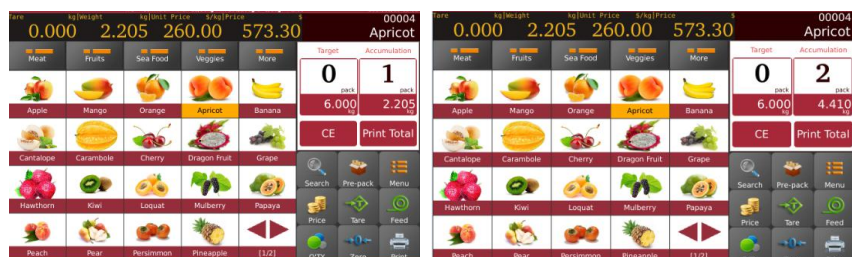


b) By clicking  key or By clicking  Quantity Window allows to input required PCS value

c) Display will be show the number of PCS and total price accordingly,



- d) Place the goods on the pan and wait for getting stable, then press **Print** key for print out labels.
 e) Remove goods from the plate and load a new item on the plate for labeling, it will print automatically next labels.



- f) Remove item from the pan for the next operation

Note: By pressing **CE** key allows clearing the target and accumulation information, or by selecting a new PLU key will be clear existing PLU name & price automatically.

4. DISPLAY & KEY FUNCTIONS

4.1. Operator Mode (Default Operation Interface)



4.2. Display and Key Functions

No	Indicator	Name	Description
1	-0-	Zero	For displaying current weighing status
1		Stable	
2	Technician	Operator	For display operator
3	Max 30kg Min 20g	Capacity	For capacity, division and minimum weight
4	A2.25z	Software version	For displaying software version
5	2017-02-07 10:04	Date & Time	For displaying date & Time
6	Tare 0.00	Tare Display	For displaying tare weight value
7	Weight 0.00	Weight Display	For displaying weight value
8	Unit Price 10.70	Price Display	For displaying unit price
9	Price 0.00	Total Display	For displaying total price

10	00005 Banana	Product Display	For displaying the current product
11	page1	Group Key	To categorize products in different groups
12	 	PLU Keys	For display PLU name & number or PLU picture & name
13		PLU look-up Key	To look-up PLUs
14		Price Key	To enter unit price manually
15		Q'ty Key	Enter product quantity (Product unit price should be entered first)
16	CE	Clear Key	To clear selected products and numeric keys
17		Tare Key	Use this key to perform tare.
18		Zero Key	Use this key to zero the scale.
19		Menu Key	To enter main page
20		Feeding Key	To test if the printer is feeding paper correctly
21		Print Key	To print out label
22		Pre-Pack Key	To print multi- labeling

4.3. Self Service Mode (Default operation interface)

→ 0 ←

Technician Max 30kg Min 200g d=10g A2.05

2017-02-07 10:04

Tare

kg|Weight

kg|Unit Price

\$/kg|Price

\$

0.00

0.00

0.00

0.00

1.Place your item on scale.

2.Search by product category or shelf number.

3.Select the according product and push the button.

4.Place the label on the product.



Category

Shelf Number

Target

Accumulation

3

3

pack

pack

0.000

6.615

kg

kg

CE

Print Total

Total Accumulated Items for the target operation

Total Weighed items for the target operation

For printing total

c) Remove item from the pan for the next operation

Note: By pressing  key allows clearing the target and accumulation information, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.3.2. Pre-Pack Mode - When in Stable operation for No of weight/package

It's allows to do the print automatically when the loaded item gets stable and should be return to zero and load an item for next printing .

Click  key, the display will show pre-pack operation

0.000

0.000

0.00

0.00

Meat

Fruits

Sea Food

Veggies

More

Apple

Mango

Orange

Apricot

Banana

Cantalope

Carambole

Cherry

Dragon Fruit

Grape

Hawthorn

Kiwi

Loquat

Mulberry

Papaya

Peach

Pear

Persimmon

Pineapple

(1/2)

Search

Pre-pack

Menu

Price

Tare

Feed

QTY

Zero

Print

Target

Accumulation

0

0

pack

pack

0.00

0.00

kg

kg

CE

Print Total

a) Select a Weight PLU from the direct PLU list or input values for non-PLU.

b) Display will be show selected product name & number

0.000

0.000

33.00

0.00

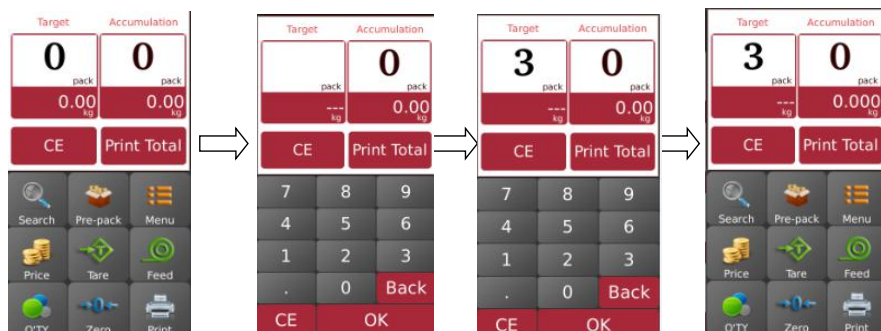
apricot

c) Click target weight Window  for inputting weight of the pack and follow to click OK key

- a) Select a Weight PLU from the direct PLU list or input values for non-PLU.
 b) Display will be show selected product name & number

0.000 0.000 33.00 0.00 apricot

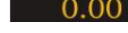
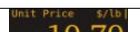
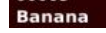
- c) Click target Window  to input number of pack and follow to click OK key



- a) Place the goods on the pan and wait for getting stable, then press  key to start to print out labels.
 b) Remove goods from the plater and load a new item on the plater for labeling, it will print automatically next label.

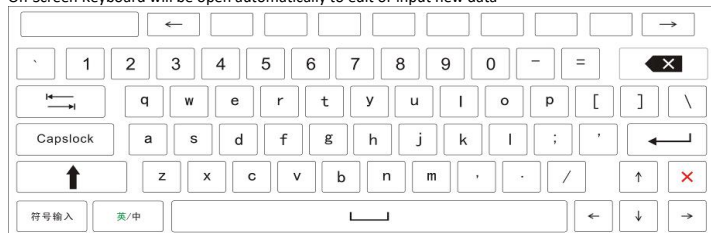


4.4. Display and Key Functions

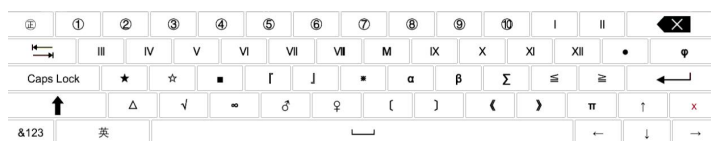
No	Indicator	Name	Description
1		Zero	For displaying current weighing status
2		Stable	For displaying current weighing status
3		Operator	For display operator
4		Capacity	For capacity, division and minimum weight
5		Software version	For displaying software version
6		Date & Time	For displaying date & Time
7		Tare Display	For displaying tare weight value
8		Weight Display	For displaying weight value
9		Price Display	For displaying unit price
10		Total Display	For displaying total price
11		Product Display	For displaying the current product
12		Category Keys	Use this key to search PLU by Category
13		PLU look-up Key	To look-up PLUs
14		Shelf Number Key	Use this key to search PLU by shelf number

4.5. Built-in Keypad

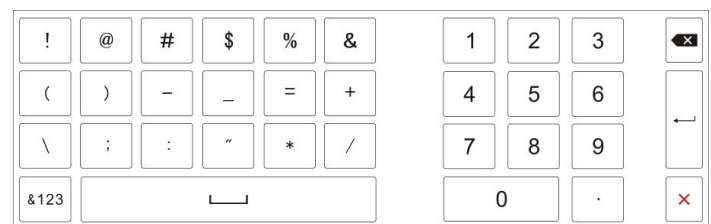
On-Screen Keyboard will be open automatically to edit or input new data



Special symbols keyboard

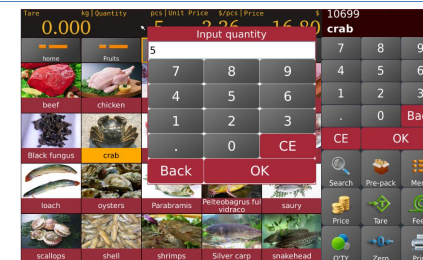


Numeric keyboard



	Backspace
	When input text, use this key to change line
	Special symbols and numeric keys.
	Close key board
	Shift to Capital letter / small letter.
	Press here to change sign

or By clicking Quantity Window allows to input required PCS value



d) Then press key to get print out label.



Note: By pressing key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.3. Pre-Pack Operation-Weighed Items

Note: For choosing Pre-Pack mode of operations, Please refer Settings > Operation Settings > Pre -Pack Mode

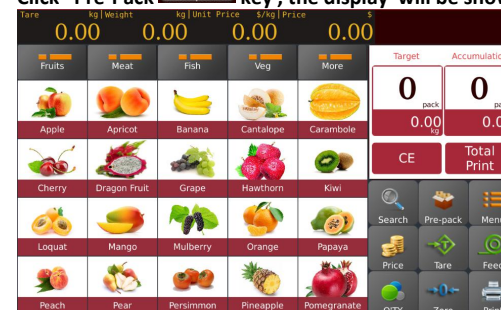


By pressing key once will start pre-pack function start for printing

5.2.3.3.1. Pre-pack Mode - When in Stable operation for No of item/package

It's allows to do the print automatically when the loaded item gets stable and should be return to zero and load an item for next printing .

Click Pre-pack key, the display will be show pre-pack operation



5.2.3. Sales Operation

5.2.3.1. Weighed Item PLU Operation

- a) Select a Weight PLU from the direct PLU list or Indirect PLU list.



- b) Display will show selected product name & number

0.000 0.000 22.00 0.00 apple 10288

- c) Place the item on the pan and wait to get weight stable,

0.000 0.650 22.00 14.30 apple 10288



- d) Then press **Print** key to get print out label.

- e) Remove item from the pan for the next operation



Note: By pressing **CE** key allows clearing the current price, or by selecting a new PLU key will be clear existing PLU name & price automatically.



5.2.3.2. Non-Weighed Item/PCS PLU Operation

- a) Select a Non-Weighed PLU from the direct PLU list or Indirect PLU list.

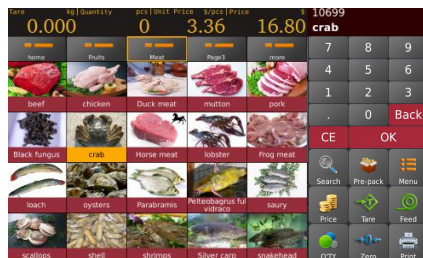


- b) Display will show selected product name & number and default number of item.

0.000 1 3.36 3.36 crab 10699



- c) By clicking **QTY** key

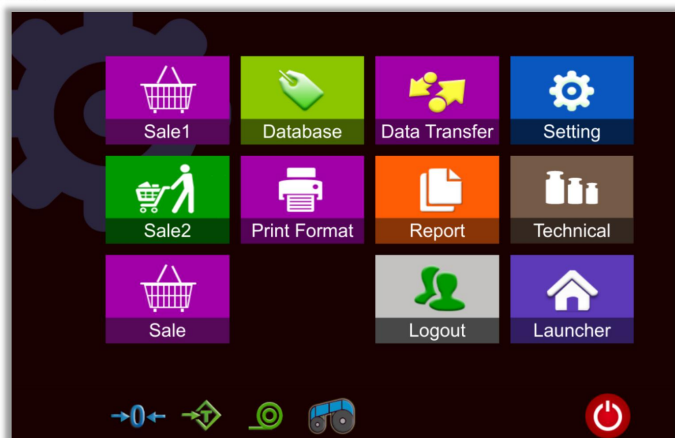


4.6. Client Display



Display/Indicator		Description	
1	Banana	Product	To display the selected product
2	Weight: 0.00 kg	Total Weight	To display product's total weight
3	Unit Price: 2.40 \$/kg	Unit Price	To display the unit price
4	Total Price: 0.00 \$	Total Price	To display the total price
5	Thank You... Visit Again		
	Slogan		To display slogan
6	T-Touch	Logo	Company Logo

4.7. Main Menu



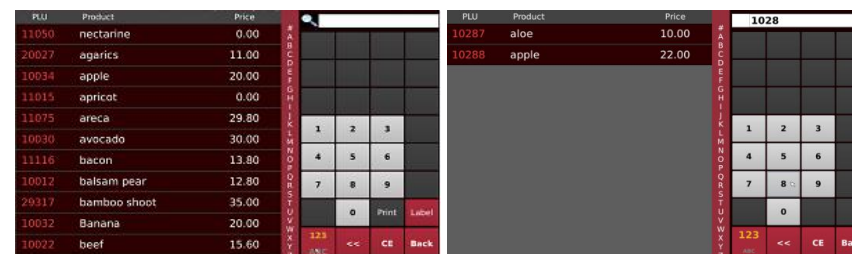
	Icons	Name	Description
1		Sales Button	Operation View
2		Database Settings	Product, Category, Format..
3		Data Transfer	Data import and export
4		Basic Settings	General Settings
5		Technical Settings	Technical Settings
6		Power Button	Power Off
7		Zero Button	Perform Zero
8		Tare Button	Perform Tare
9		Feed Button	Paper Feed/Calibrate Test

5.2.1.2. In-direct Product Look-up

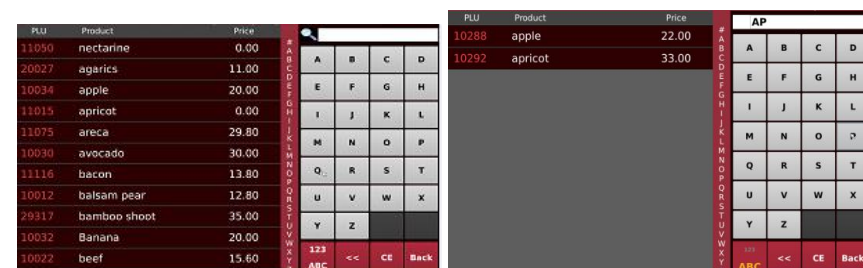


Click key to enter product look-up page.

a) Product searching by using PLU number



b) Product searching by using names



5.2.2. Manually Enter Unit Price/Quantity

1)When the product info is not pre-established in the scale;



2) Click key to enter unit price manually;

3)Click OK to confirm and follow to weigh;

4)For Non weight product, enter unit price and follow to enter quantity manually to get the PCS of the products;



5)Click key to enter manually enter quantity.

5.2. Operator Mode Operation

5.2.1. PLU (Product Look Up) Search

Product names allows to search by the assigned UI keys (Direct PLU) or by using Search key

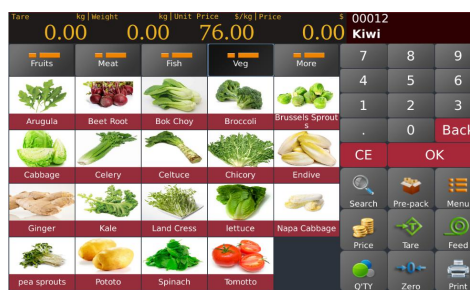
5.2.1.1. Direct PLU

Click the PLU from the pages.

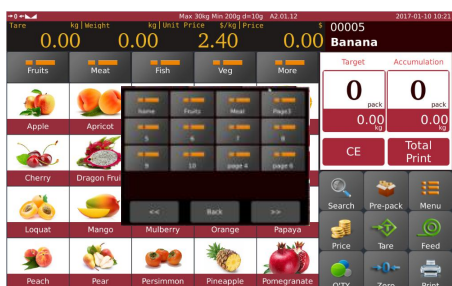
Use group key  to select different product groups or category.



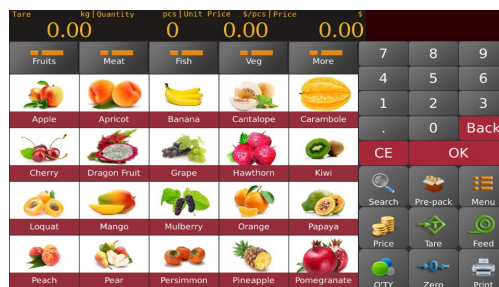
Meat group



Veg Group



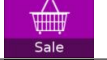
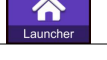
Fish group



Fruit Group

More Page/Group Window list

Note: Page/ Group list will be available according to the Pre-Key Settings only.

10		Paper Recycle Switch	Recycle on/off
11		Report Button	Check/Print Reports
12		Sales 2	Used for checkout application
13		Sale	Used for custom UI
14		Logout Button	Logout from current account
15		Print Format	Receipt Format Management
16		Launcher programme	Used for system setting and network communication, ect.

5. OPERATION

5.1. Function

5.1.1. Power-Up

On Power-up, the scale will first perform to show system T-Touch and follow to show company logo. After that the scales will establish the current weight as a new zero reference and then automatically start up in menu mode from where the mode for weighing can be selected.

It's may be secured (username & password may require to access, if it's add operators name) to access the menu mode and weighing mode (sale mode).

5.1.2. Display Range

The scales will display weight from –Max (tare function) to Max (gross weight)

5.1.3. Zero Setting

Zero setting allows to do by pressing  key, only it's possible when the load receptor is not in motion.

5.1.4. Tare

Label scales are provided with a semi-automatic subtractive tare.

The weight of any container can be tared by pressing  button so that with subsequent weighing the net weight of the object being weighed is always displayed.

Tare Operation:

1)Load weight on the platform.

2)Press  key. Zero is displayed, and tare is subtracted.

3)Remove weight on the platform. Tared weight is displayed. It can set only one tare value. It will be shown with a minus value.

4)This Tare value can be cleared by pressing  key, when there is no load on the platter. This tare entry cannot take place, if the platter is in in motion.

5.1.5. Preset Tare

Label scales have a preset tare function, Press and hold  key until to show a pretare window to input the tare value, by clicking “OK” key allows to store “Tare” value as per input.

5.1.6. PLU (Price Look Up)

T-Touch Label scales can store up to 99999 unit price values, these are accessed using the PLU keys or PLU Searching Key.

5.1.7. Quantity

PLU allows calculating total quantity price, however, not be regarded as the weighing results.

5.1.8. Gravity

The scales have the gravity compensation function making it possible to perform the verification at a place with another gravity constant than the place of use.

5.1.9. Printing

The scales have a built-in printer, when the user clicks the  option, the label can be print out.

5.1.10. Software Version

The software is separated in weighing software, application software, screen key board software, and printing software.