

T-Touch

Technical Manual

X10-X15-PC

Weighing Indicator

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1. PRECAUTIONS

	 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 or destruction of the equipment.	

	SAFTEY INSTRUCTION
	The weighing scale is a precision electronic instrument, handle it carefully. The device must only be operated by personnel trained in the operation of this equipment. The operating personnel must read and understand the safety instructions in these operating instructions. To prevent any accident, only qualified service personnel is authorized to open this device! Verify the local voltage and receptacle type are correct for the scale. Only use original adaptor, other could cause damage to the scale. Pluggable equipment must be installed near an easily accessible socket outlet. To prevent load cell ,Avoid load the weight exceed the maximum capacity on the platform To prevent the keys, Do not scratch the keypad with a sharp object Avoid unstable power sources. Do not use near large users of electricity such as welding equipment or large motors. Avoid sudden temperature changes, vibration, wind and water. Avoid heavy RF noise. Do not install the scale in direct sunlight.

2. PRODUCT DESCRIPTION

2.1 General

The X10-X15 Series weighing Indicator include full-fledged features, interfaces, it can be developed to meet the Industrial applications.

Major Features

- 10.1" TFT touch screen for Model X10-X15
- Stainless steel housing for Model X10-X15
- Multi-user permission management
- Weighing units conversion (kg/g/lb/oz/t)
- Counting by sampling or entering unit weight; percentage weighing; tolerance checking
- Accumulation mode with manual accumulation, auto load accumulation and auto unload accumulation
- Up to 9999 PLUs capacity, supported to display alphanumeric PLU information
- Up to 10 ID for editing
- Reports Management: Daily, Monthly, Product reports, client reports, ID group reports, operator reports.
- Multiple language selection
- Alibi memory storage
- Different methods of communications: RS232/RS422/RS485 , Ethernet, Wi-Fi, USB2.0 Host for Scanner interface
- Data management with backup and restore
- Back office management software could update to the scale with networking
- All options are controlled from menu. No spec list provided and easy to operate.

2.2 Over View

Model:X10-X15

- 1 10" TFT touch display
- 2 Hand knob
- 3 Indicator Holder
- 4 On/Off key



Model:X10-X15

No	Interface	Qty	Remark
1	WIFI module	1	Used for WIFI network connection
2	Load cell connector 1	1	Used to connect analog load Cell
3	Load cell connector 2	1	Used to connect the second platform (option)
4	COM1	1	RS232 ,For computer or printer ,alarm light
5	COM2	1	RS232/485/422 communication port (RS485/RS422 option)
6	Input	1	Used to connect the alarm light
7	Output	1	Used to connect the signal lights.
8	OTG	1	For update system software
	USB2.0		For mouse, keyboard, bar code scanner,avoid using for charging other device
9	USB2.0	1	For data transfer,don't use for charging other device
10	RJ45	1	Support 10M/100M Ethernet
11	Power Socket	1	Support AC 110v~240v
12	Power Switch	1	Used to switch on/off power

3. INSTALLATION

3.1 Unpacking

- 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. Indicator
 2. Manual

3.2 Installation

- Place the Indicator on a table
- Connect the platform load cell cable in to the indicator load cell connector. Load cell connector is locating back side of the indicator.

3.3 Load cell connections

- Connect the load cell cables to the terminal as shown below.
- It can connect four 350 ohm load cells.
- The load cell drive voltage is 5V DC $\pm 5\%$ between Excitation + and Excitation -.

7Pin Connection	
Pin 1	Signal -
Pin 2	Signal +
Pin 3	Shield
Pin 4	Exc -
Pin 5	Sen -
Pin 6	Sen +
Pin 7	Exc +

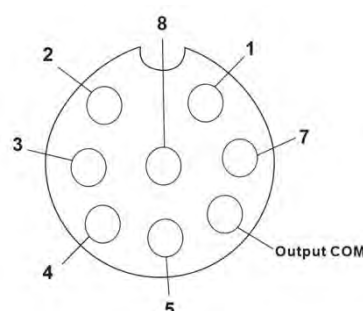
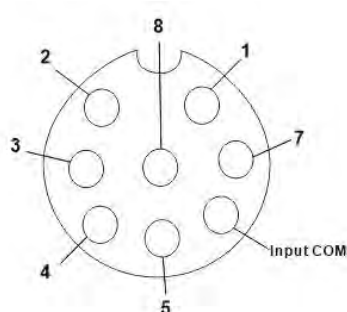
3.4 Power Connection

- Adaptor connects into your AC power socket. Plugable equipment must be installed near an easily accessible socket outlet with a protective ground/ earth contact.

3.5 I/O Port connections

Model: X10-X15

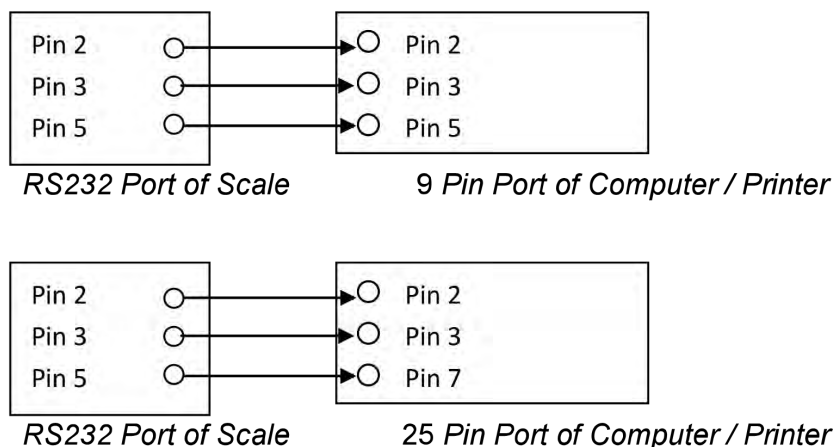
The I/O port allows to connect the alarm light or signal light ,the connections are shown as following picture.



3.6 RS-232 Connection

The RS-232 port is located on the side or rear of the scale (refer to component description), and its signals are defined in the following.

Serial Interface: Scale – PC / Printer connection:



If not communicating, please interchange one of the connector Pin 2 and Pin 3 connections

3.7 Rechargeable battery

Note: Please charge the battery before using the scale for the first time.

- The low voltage battery symbol on the weight display indicates that the battery is getting low. It's time to charge the battery with the AC power. If scale goes on being used without proper charging, a message <To turn it off,battery low ,please charge> will be pop up in the display.
- Please use the supplied battery charger for charging the battery immediately,or scale cannot be used.

3.7.1 Charging the battery

- Before the first use, the battery should be charged by connecting it to the mains power supply for at least 5 hours.
- When the scale is plugged into the mains power the internal battery will be recharged.
- Verify that the AC power socket outlet is properly protected.
- There is an battery symbol at the upper side of display to indicate the status of battery charging.



Fully charged



Low voltage

3.9 Start Up



Putting into operation.

The device has been installed properly and connected to the mains power supply.

1) Switch on device

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

2) 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.

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

3.10 Transport and Storage

Always transport and store the device in its original packaging.

3.10.1 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.

4. DISPLAY&KEYS FUNTION

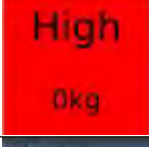
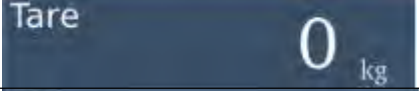
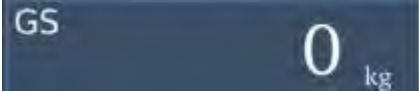
4.1 Indication Description



Keys	Description
	Product/Material group. Touch key to view products list and recall products information
	Client/Customer Touch key to view client list and recall clients information.
	ID 1 ~6, Free Setting ID keys, Touch key to view list and recall information.
	ID Groups Touch key to view ID's list and recall ID's information.
	ID keys window up or down
	Clear ID Touch key to clear ID contents
	Record Touch key to check all weighing records.
	Save and Print Touch key to save and print records.

	Gross/Net Touch key to get the Gross / Net weight.
	Sample Touch key to input samples.
	Unit weight Touch key to input unit weight.
	Clear Unit Weight clear key, in counting operation
	Clear the current product ID information
	Feed key, to test printer
	By using x10-x15, you can see high precision
	Menu buttons to bring it back to the main page
	Button the weight button so that the weighing data on the scale can be deducted from its weight within the throwing range.
	Return to zero button, so that the weighing data on the scale can be returned to zero within the range of return to zero.
	I/O Key Quick Switch
	Set Kill-date key, can quickly add kill-date
	The function of printing totals, can print a total label after weighing the last item
	Print times button, set the total print times of an item
Weight/Count	Press and hold the “weight” or “count” words in the window, the normal weight screen or count screen will be switched to big screen
Note: Each ID text names may vary; it's depend which has been input	

4.2 Indications

Indications	Description
	when the scale back to zero or by pressing  key
	When Tare, by pressing  key
	When the scale is in stable.
	Maximum capacity of the scale
	Minimum weight of the scale
	Division of the scale
A4.50	Software version
	Date and time
	Ready for weigh
	Drive In/ Loading
	Stable; Ready for record
	Tare weight window in weighing operation
	Gross weight window in weighing operation
	Unit weight window in counting operation

4.3 On-Screen Keyboard

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

4.3 On-Screen Keyboard

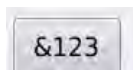
On-Screen Keyboard will be open automatically to edit or input new data,



: Backspace



: When input text, use this key to change line

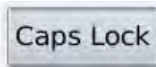


: Special symbols and numeric keys.



: Close key board

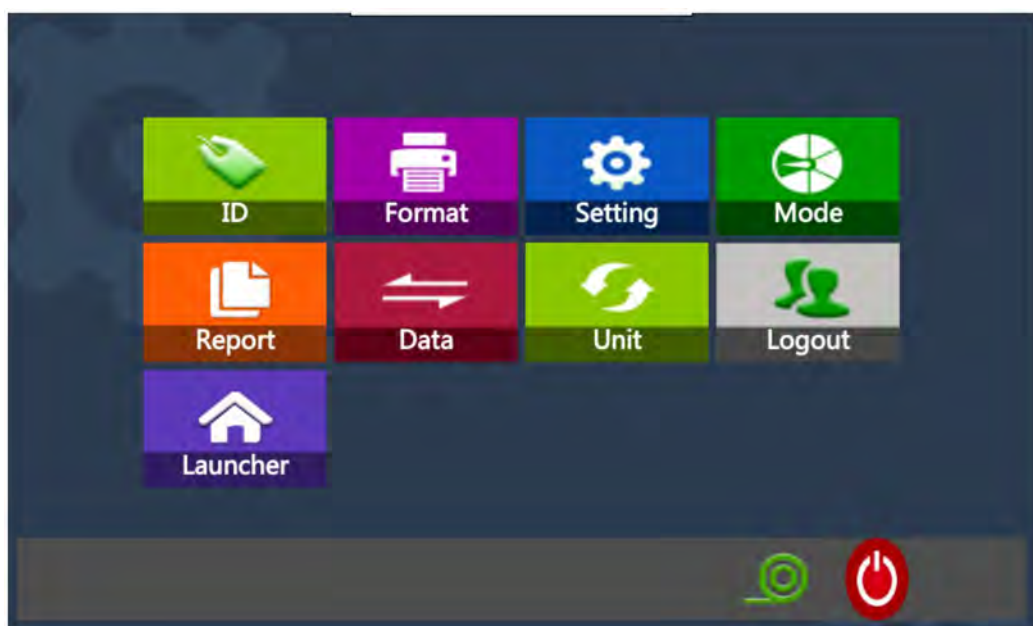


or  : Shift to Capital letter / small letter.



: Press here to change sign

4.4 Main Menu



Icon	Description
 ID	ID settings
 Format	Print format setting
 Setting	Settings
 Mode	Mode setting
 Report	Reports Management
 Data	Import and export reports
 Unit	Weighing Units setting
 Logout	Login /log out
 Launcher	Launcher
	On/OFF key
	To test Built-in printer, only available for X10-X15 model

5. OPERATION

5.1 Power On/Off

Power on

Press and hold  key until to hear a beep sound. It will take around 30 seconds for to run the TOS operating system and application software.

Standby

Press  key for to keep display standby / sleep. Press  key again to turn on the display.

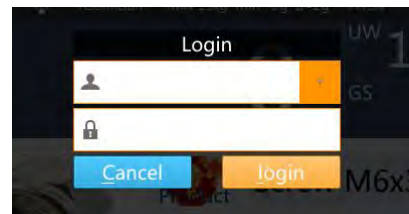
Power off

Press and hold  key until to show a Power Off window. Touch option YES to power off or NO to back to use.

5.2 Log in

It allows multiple users to operate the same scale

- 1 When power is on ,it may be asked to input the account and password to log in.



- 2 Select the account from the drop down list
Entered password by numeric keys and confirmed By clicking log-in key



Note: The account and password should be configured in ID settings, once finished setting, scale will be start to self-checking and then enter to login mode.

5.3 Zero Setting

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

5.4 Tare

5.4.1 Semi-automatic tare

The indicator is 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 motion.

5.4.2 Automatic tare

The weight of any container can be tared automatically, to enable automatic tare function, see parameters Menu>operation setting >Auto Multi-Tare >ON

- 1 Load a container on the platform.
- 2 Press  key to confirm, the current weight will be automatically deducted
- 3 Zero is displayed in NET window, the subtracted value appears in the tare window.
- 4 Load the weight in the container, the NET window shows net value.
- 5 Remove weight from the platform. Tared weight is displayed.

5.4.3 Multi-Tare

The weight of any container can be multiple tared, to enable multi-tare function, see parameters Menu>weighing setting >Tare operation > Multi-Tare Enable

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 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.

5.4.4 Preset Tare

5.4.4.1 Store Pre-set Tare

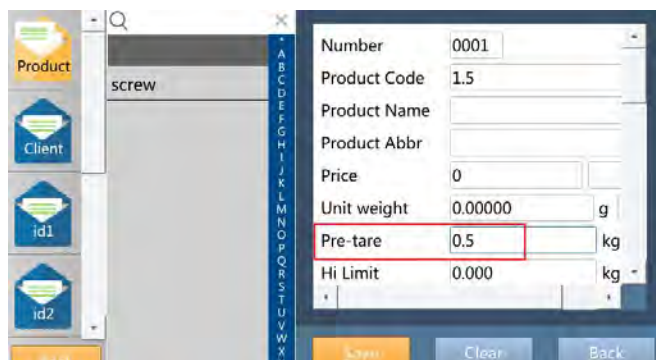
Method 1:

- 1 Hold  key 2 seconds, display show(T1~T9) Tare keys.
- 2 Hold the pre-tare key, entered the tare Value by numeric keys.
- 3 Confirmed by pressing [ok] key, the pre-tare value can be stored in memory



Method 2:

The pre-tare value of product can be set
In ID settings, please see ID setting
>Product>pre-tare

**5.4.3.2 Recall Pre-tare value**

- 1 Load the weight on platter, display show Net weight.



- 2 Hold  key 2 seconds to recall (T1~T9) Pre-tare values.



- 3 Select the tare value as you need
Tare display show pre-tare value and

- 4 Place the item on the pan and wait to get weight stable, display show net weight.

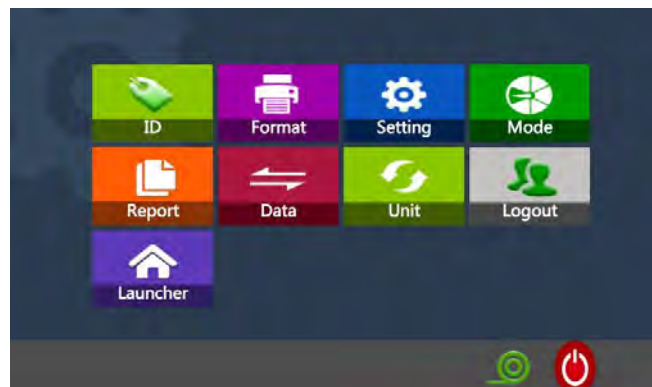


- 5 Remove item from the pan, the net window show negative value. Press  key to clear tare value.

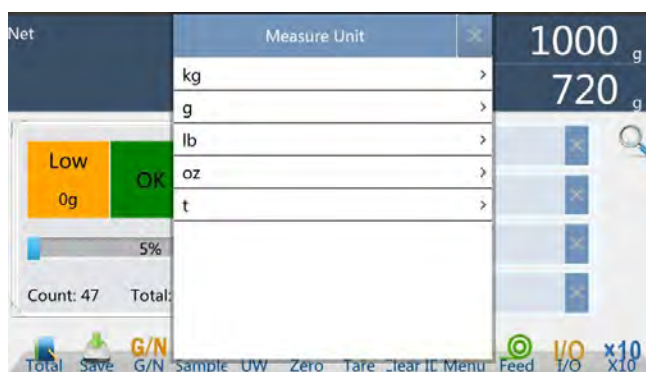
5.5 Weighing units

X10-X15 series has 7 weighing units (kg/g/lb/oz/tj/hj/t), To enable the weighing units, please see parameter MENU>UNIT

1 In normal weighing mode, press  key to enter main menu;



2 Press  key to select the weighing units to be used.



3 Once selected the new weighing units, scale will weighing in new weighing units



5.6 Weighing Operation

5.6.1 Enter Product ID



Press  key to view pre-set product names from the list,

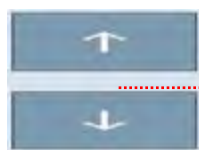
0001	Agro Ch
0002	Air Conditioner & Parts
0004	Basmati Rice
0005	Bed Spreads
0006	Belts
0007	Cement Boards
0008	Cementing Products
0009	Ceramic Tiles
0010	Chemicals
0011	Chicken Products

Product list Search:

0007	Cement Boards
0008	Cementing Products
0009	Ceramic Tiles
0010	Chemicals
0011	Chicken Products
0012	Earth Moving Machines
0013	Eggs
0014	Electrical Accessories
0015	Engine & Parts
0017	Fabrics



Input name to search



Press up / down arrow keys change page



Press key to add new name



Press key to go back from the settings

5.6.2 Enter New Product Name

If want to enter a new product name,

Press product name screen to enter



Press here to edit/input new name

5.6.3 Enter Client ID

Press  key to select a pre-set company as client,

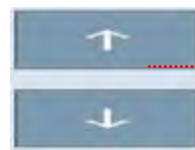
0081	Sanitary Equipment company
0001	Advertising Agencies
0002	Aggregate & Sand Suppliers
0003	Agricultural -horticultural & Eq
0004	Air Conditioning - Manufacture
0007	Broadcasting Equipment Supp
0006	Building Chemicals
0005	Building Material Suppliers
0008	Burners Suppliers
0010	Cement Dealers & Stockists

Client list Search:

0064	Office Furniture - Retail
0061	Office Supplies
0060	Offshore Construction & Service
0063	Oil & Gas Integrity Services
0062	Oil & Gas Suppliers
0069	Packaging Manufacturers & Suppliers
0065	Photocopier Suppliers
0066	Photographic Equipment & Supplies
0070	Picture Frames Eqpt
0067	Pipe & Pipe Fitting Suppliers



Input name to search



Press up / down arrow keys change page



Press key to add new name



Press key to go back from the settings

Enter New Client Name

If want to enter new client name,
Press client name screen to enter



Press here to edit / add new client name

5.6.4. More ID (Free Setting ID's)

For Settings See Operation Setting > ID Settings
Once enable all ID from the setting's, it can view from the home display

ID Options Disable for more ID's



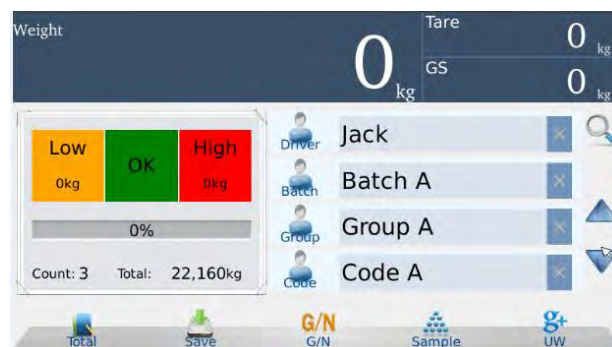
ID Options enable to use more ID. It can use



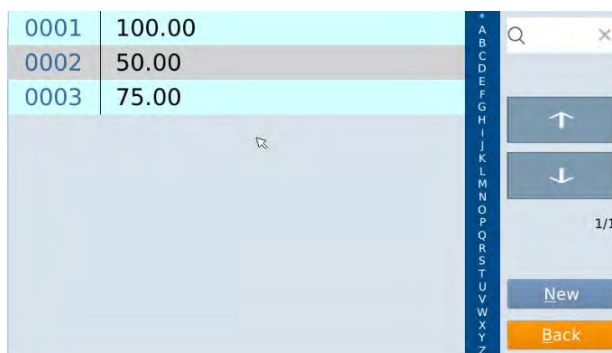
and

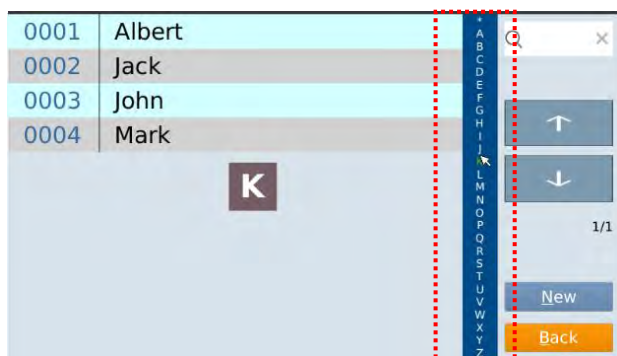


keys change the ID's page



ID list Search:

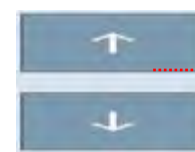




Press alphabetic keys
to search list



Input name to search



Press up / down arrow
keys change page



Press key to add new
name



Press key to go back
from the settings

Enter new ID name

If want to enter new name,
Press ID screen to enter



5.6.5. Group ID Operation

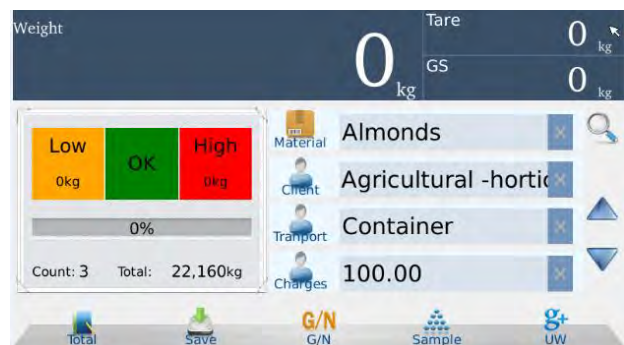


Group option, to recall particular ID's for weighing.

When it's required to use same particular ID's for weighing, it could save into as a group to recall. Further no need to select each ID every time for weighing. Just recall from the group, if its saved in the group.

Create a ID Group

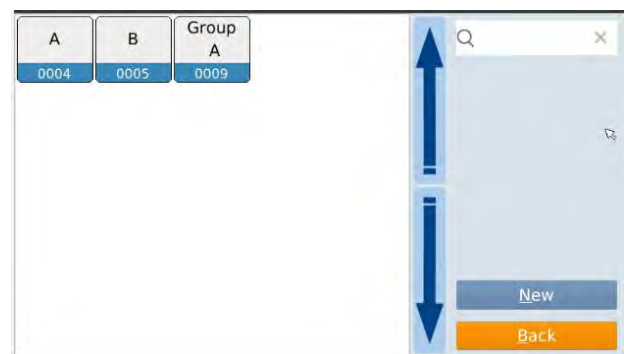
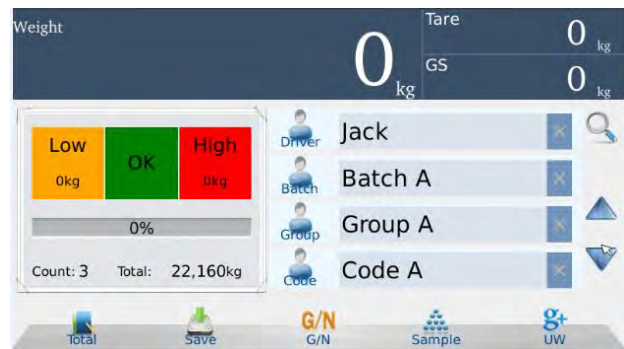
Input ID names into all fields



Press and hold  key 3 seconds to save as a group.
Window will be open to input & save as a Group.

Input Group name and confirm by pressing OK Key.

It will save into Group ID management to recall and use for an easy operation



5.6.6 Save and Print

When display gets “stable,” press  key to confirm and print the ticket.

5.7 Parts Counting

Weigh a sample to calculate the unit weight to determine the average weight of items to count, put a known number of pieces on the scale. The balance of the total weight divided by the number of samples and displays the unit weight.

Note: Before operation scale should be stable and return to zero, sampling available only when weight more than 20d.

5.7.1 Enter Counting Number

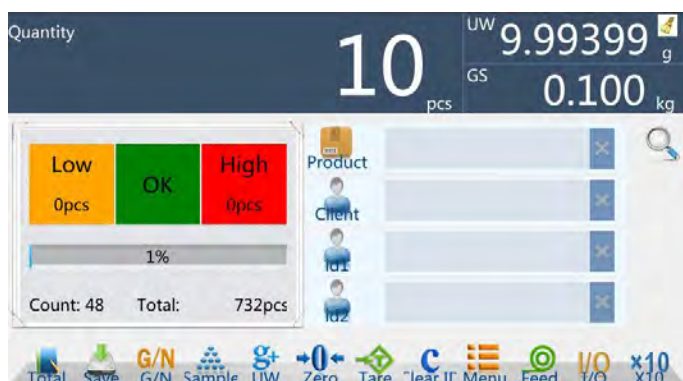
- Make sure platter empty and display return to zero.
- Put a container on platter and press  key if necessary.
- Place a unknown amount of pieces on the scale.



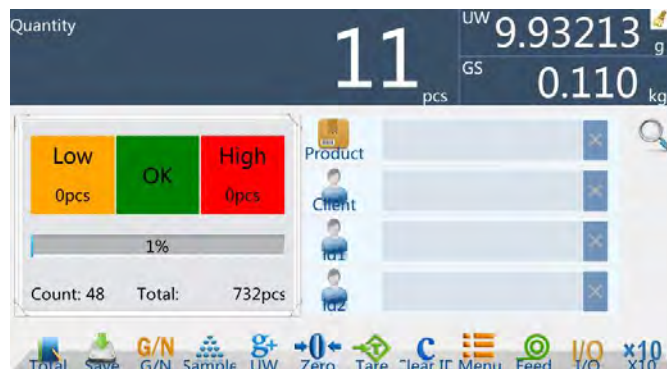
- Press  key to confirm when scale stable.
- It will be asked to input sample quantity.



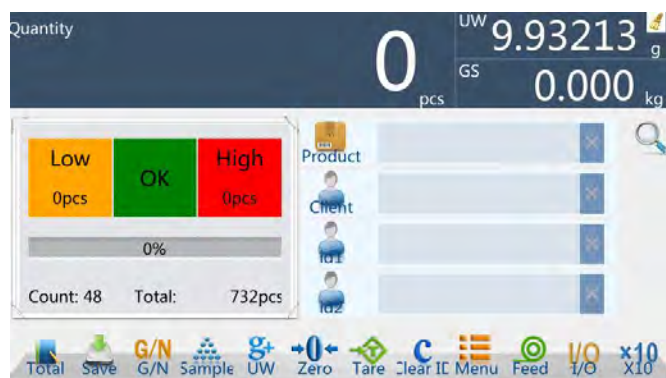
- Using numeric keys to input the sample quantity, eg: 10
- Confirm by pressing [OK] key.
- The average piece weight of item will be calculated and then the number of items displayed in count window.



- Add the rest of items on the platter, weight and number of items will be increased.



- Remove the items, the average piece weight will remain stored in memory for the next counting of similar pieces.



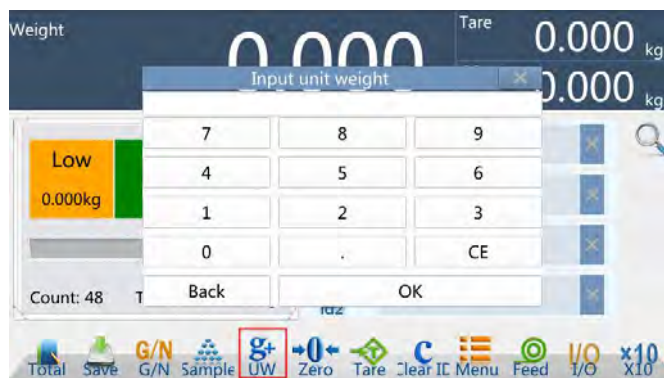
- **To execute a new reference operation** repeat the operations as described .

- Press  key to back to normal weighing mode.

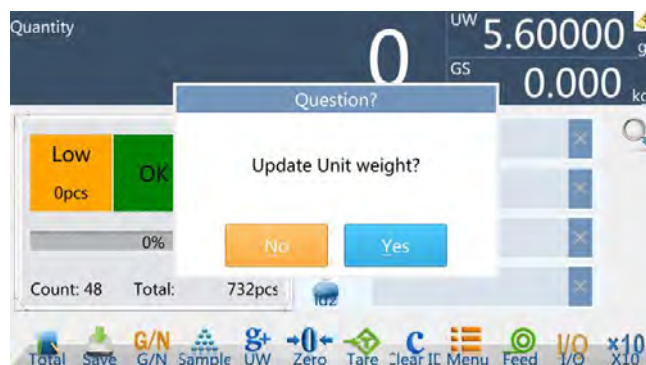
Note: The weighing may be amended on the basis of greater numbers of samples improves the accuracy of counting large quantities

5.7.2 To input the known average piece weight of item

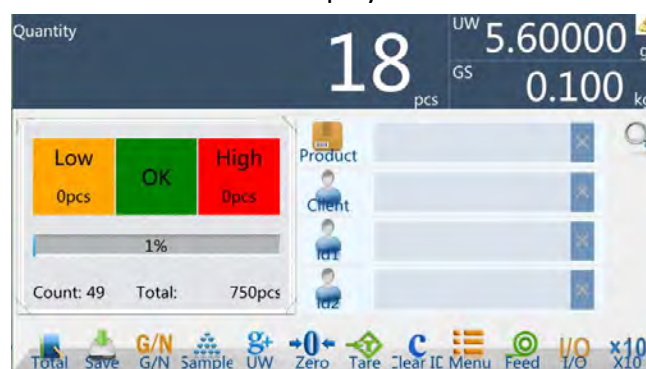
- Make sure platter empty and display return to zero.
- Press  key, It will be asked to input unit weight.



- Input the average piece weight of item with numeric keys.
- Press [OK] key to confirm.
- Press [YES] to update unit weight.



- Add new items on the platter, weight and number of items will be displayed.



- **To execute a new reference operation** repeat the operations as described .
- Press  key to back to normal weighing mode.

5.7.3 Automatic Part Weight Updates

- To optimize the calculated average piece weight automatically, add further parts whose number is smaller than that of the first reference determination.

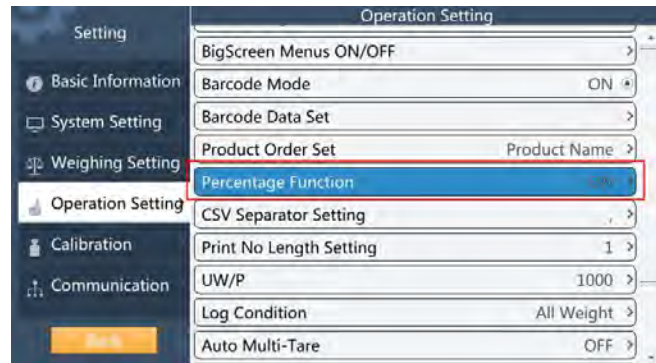
For each reference optimization the average piece weight is newly calculated.

As the additional pieces increase the base for the calculation, the reference also becomes more exact.

- Automatic reference optimization will be deactivated as soon as the number of added parts exceeds the saved reference quantity.

5.8 Percentage Weighing

The scale can set a sample weight to be shown as 100%. Then any other weights place on the scale, it will be displayed as a percentage of the original sample. To enable the percentage function, please enter parameters **Setting> Operation Setting > percentage function> on**



- 0.100 kg weight place on the scale and follow by press the  key is pressed the display will show 100.00%.



- Remove the weight, and ensure display is zero.



- Place 1.66kg weight on the platform, display will be show 166.0 % as per the percentage of 0.100kg (100%).



- Press and hold  key to back to normal weighing mode.
- The weighing may be amended on the basis of greater numbers of samples, improves the accuracy of percentage large quantities.

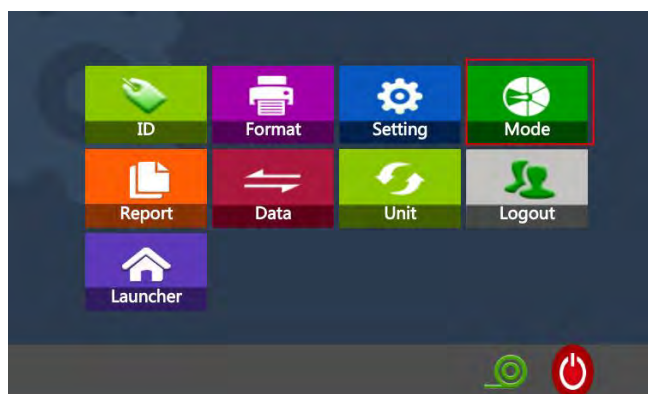
Note: If the weight is less than 20d, it will pop up a prompt “sample low”

5.9 Accumulation

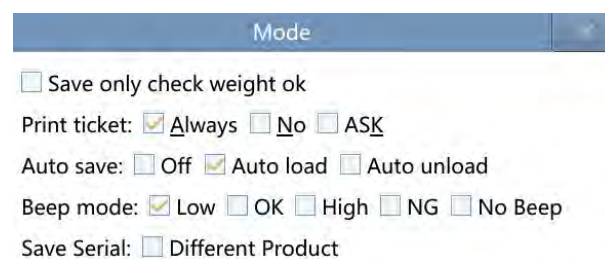
The scale can be set to accumulate manually by pressing  key. Only the total counts will be saved in memory.

Before operation scale should be stable and return to zero, accumulation available only when weight more than 20d.

In normal weighing mode, press  key to enter main menu;



Click  key to select mode options;



Off: Auto saving function turned off

Auto Load: Data will be save while loading and once get stable

Auto Unload: Data will be save while unloading goods from the platform

5.9.1 Manual Accumulation

- 1 Place the load on the platform, the weight display will show the net weight.



- 2 Press  key, when STABLE indicator on.
- 3 Total counts and weight will be displayed with beep sound.
- 4 Remove the weight from the pan.
- 5 When display get zero and stable then place the second weight.

- 6 Press  key, when STABLE indicator on.



- 7 It can continue until the memory gets fully.

5.9.2 Auto Load Accumulation

- 1 Place the load on the platform, the weight display will show the net weight.
- 2 When stable indicator on, a "beep" sound will be heard, display shows the count and total weight.
- 3 Remove the item and the scale will return to zero;
- 4 When display get zero and stable then place the second weight.
- 5 It can continue until the memory gets fully.

5.9.3 Auto Unload Accumulation

- 1 Place the load on the platform, the weight display will show the net weight.

- 2 When stable indicator on, a "beep" sound will be heard.
- 3 Remove the item and the scale will return to zero.
- 4 Display shows the count and total weight, a beep sound will be heard.
- 5 When display get zero and stable then place the second weight.
- 6 It can continue until the memory gets fully .

5.9.4 Accumulation Recall

Press  key to view total record list

No	product	Weight(kg)	Unit	Q'ty	Time
1	888	0.102	kg	0	16:25
0		0.1	kg	0	01:56
0		0.1	kg	0	01:56
0		0.1	kg	0	01:57
2		0.1	kg	0	09:23
3		0.1	kg	0	09:48
4		0.1	kg	0	09:48
5		0.1	kg	0	09:48
6		0.1	kg	0	09:48
7	888	0.1	kg	0	09:49
11		0.1	kg	0	09:49
12		0.1	kg	0	16:17
13		0.1	kg	0	16:17

Item count: 53 Weight: 5.435 kg Qty: 750 pcs

Navigation buttons on the right:

- 1 Up arrow
- 2 Down arrow
- 3 Delete (trash icon)
- 4 Export
- 5 Feed (target icon)
- 6 Print
- 7 Back

- 1 Press up arrow keys to change page
- 2 Press down arrow keys to change page
- 3 Press key to delete records
- 4 Press key to export records
- 5 Feed key, to test printer for X10-X15, N.A for X10-X15
- 6 Press key to print records
- 7 Press key to go back from the settings
- 8 Click any record data to view Record data Info from the list and print
- 9 Total area

5.9.5 Export Records

Click  key to export the record lists, it's required to insert U disk into the USB port in advance.

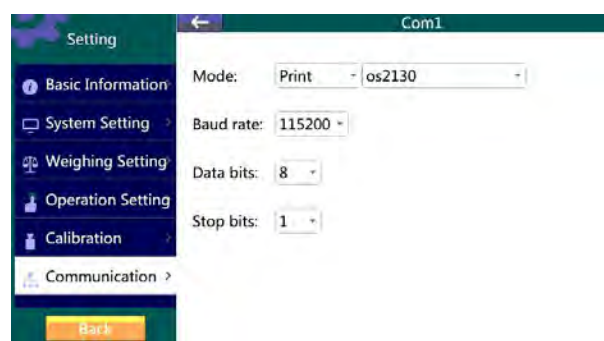
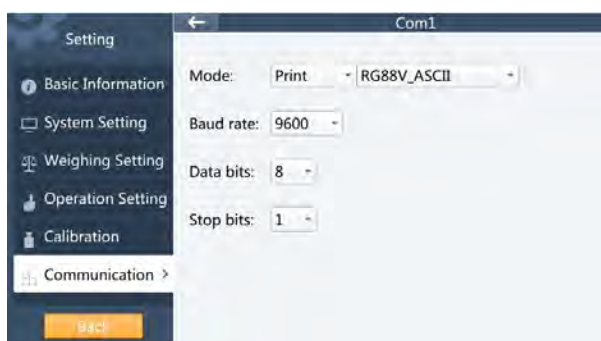
5.9.6 Print Records

The scale support to print single record and all records

**Note: Refer com and Pformat settings to print,
It's required to select Communication > Com and Pformat settings.**

Setting > Communication > COM 1 >RG88V ASCII 9600 8 N 1 (for receipt printer)

Setting > Communication > COM 2 >OS2130 115200 8 N 1 (for label printer)



- Click  to Print all records in total record lists
- When recall total record lists,select one of the records

No	product	Weight(kg)	Unit	Q'ty	Time
1	888	0.102	kg	0	16:25
0		0.1	kg	0	01:56
0		0.1	kg	0	01:56
0		0.1	kg	0	01:57
2		0.1	kg	0	09:23
3		0.1	kg	0	09:48
4		0.1	kg	0	09:48
5		0.1	kg	0	09:48
6		0.1	kg	0	09:48
7	888	0.1	kg	0	09:49
11		0.1	kg	0	09:49
12		0.1	kg	0	16:17
13		0.1	kg	0	16:17

Item count: 53 Weight: 5.435kg Qty: 750 pcs

Product: 888
Client:
id1:
id2:

Net: 0.100kg
Tare: 0.000kg
Result: no check
Quantity: 0 pcs

Date: 2021/01/23 Time: 09:49 No: 7

- Click  key,the selected records can be printed out,only available for label printer

5.9.7 Delete Records

It allows to delete single record and all records

➤ Delete ALL records

- 1 Click  key to delete .

No.	product	Weight(kg)	Unit	Q'ty	Time	
1	888	0.102	kg	0	16:25	☐
0		0.1	kg	0	01:56	☐
0		0.1	kg	0	01:56	☐
0		0.1	kg	0	01:57	☐
2		0.1	kg	0	09:23	☐
3		0.1	kg	0	09:48	☐
4		0.1	kg	0	09:48	☐
5		0.1	kg	0	09:48	☐
6		0.1	kg	0	09:48	☐
7	888	0.1	kg	0	09:49	☐
11		0.1	kg	0	09:49	☐
12		0.1	kg	0	16:17	☐
13		0.1	kg	0	16:17	☐

Item count: 53 Weight: 5.435kg Qty:750pcs

- 2 Select [ALL] to delete all records.

➤ Delete single record

- 1 Check the single record to be delete.
- 2 Click  key to delete.
- 3 Press [YES] to confirm and press [No]to cancel.

No.	product	Weight(kg)	Unit	Q'ty	Time	
1	888	0.102	kg	0	16:25	☐
0		0.1	kg	0	01:56	☐
0		0.1	kg	0	01:56	☐
0						☐
2						☐
3						☐
4						☐
5						☐
5	888					☐
11						☐
12		0.1	kg	0	16:17	☐
13		0.1	kg	0	16:17	☐

Item count: 53 Weight: 5.435kg Qty:750pcs

Delete

Do you want to delete this message?

No Yes

Note:When restart the scale,the total record will not be cleared,if wanted to clear the records,please clear the records as per “Delete”steps operation

5.9.8 Accumulation for Same Product

- Click  key to select different product

Load weight on the platter

Press total key to recall the accumulation records

The same product record lists will be displayed

Mode

☐ Save only check weight ok

Print ticket: ☒ Always ☐ No ☐ ASK

Auto save: ☐ Off ☒ Auto load ☐ Auto unload

Beep mode: ☒ Low ☐ OK ☐ High ☐ NG ☐ No Beep

Save Serial: ☒ Different Product

Uncheck different products: Weighing records show record information for all products

5.9.9 Accumulation for product within hi and low limits



Click **Mode** key to select **save only check weight ok** option, it is required to set upper and lower limits for products, when the weight is between the hi and low limits, the ok records will be saved

Mode

☒ Save only check weight ok

Print ticket: ☒ Always ☐ No ☐ ASK

Auto save: ☐ Off ☒ Auto load ☐ Auto unload

Beep mode: ☒ Low ☐ OK ☐ High ☐ NG ☐ No Beep

Save Serial: ☒ Different Product

5.10 Tolerance checking

The weighing scales allow weighing goods according to a target quantity or target weight or target percentage within specified tolerances. With this function one can also check if the weighing good is within a defined tolerance range. Reaching target quantity is indicated by an audio sound (if enabled in menu) and a visual color bar.

Note: Check weighing or counting available only when weight more than 20d

5.10.1 Beep Mode

The beep sound depends on the settings made in menu block

Options:

LOW	Beep sound will active for when it's in Low range settings
OK	Beep sound will active for when it's in the Ok range
HIGH	Beep sound will active for when it's in the High range
NG	Beep sound will active for when it's in the out of the range
No beep	Beep sound will function turned Off

Mode

☒ Save only check weight ok

Print ticket: ☒ Always ☐ No ☐ ASK

Auto save: ☐ Off ☒ Auto load ☐ Auto unload

Beep mode: ☒ Low ☐ OK ☐ High ☐ NG ☐ No Beep

Save Serial: ☒ Different Product

5.10.2 Limits setting for target weight

- 1 Press **Low** **0.000kg** key to enter limits setting in Normal weighing mode.



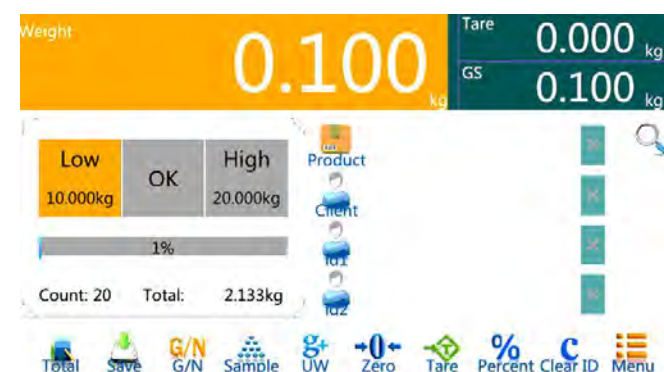
- 2 Press [OK] key to confirm when entered the lower limits with numeric keys.



- 3 Press **High** **0.000kg** key to confirm when entered the upper limits with numeric keys.



- 4 Limits setting completed, Load the weight on platter, the check weighing control will start.

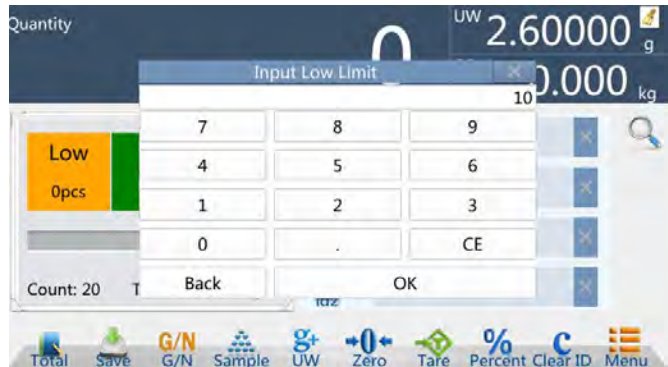


- 7 To disable the check weighing function, enter zero in both limits.

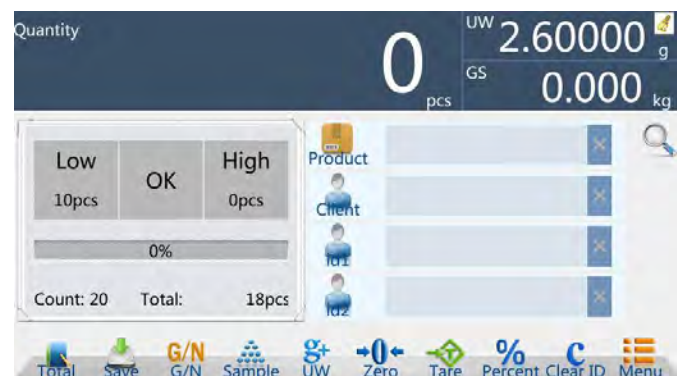
5.10.3 Limits setting for target quantity

1 To enter counting mode by sampling or inputting the known unit weight of item.

2 Press **Low** **0pcs** key to enter limits setting.



3 Press [ok] key to confirm when entered the lower limits with numeric keys.



4 Press **High** **0pcs** key to confirm when entered the upper limits with numeric keys.



5 Limits setting completed, Load the weight on platter, the check counting control will start.



8 To disable the check counting function, enter zero in both limits.

5.10.4 Limits setting for target percentage

- 1 Press  key to enter percentage weighing in normal weighing mode.



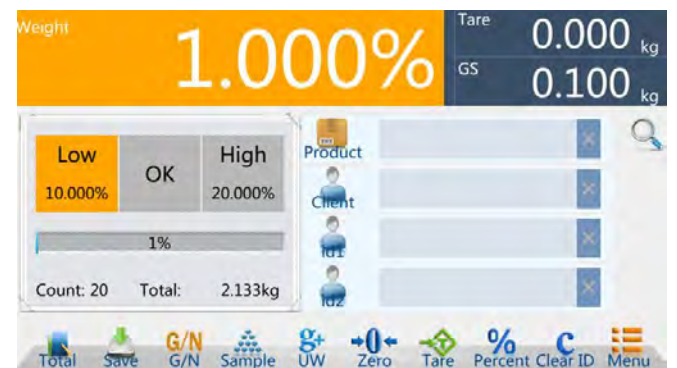
- 2 Press  key to enter limits setting.



- 3 Press [OK]key to confirm when entered the lower limits with numeric keys.



- 4 Press  key to confirm when entered the upper limits with numeric keys.



- 5 Limits setting completed, Load the weight on platter, the check percentage weighing control will start .

- 6 To disable the check percentage weighing function, enter zero in both limits.

Notes

- Check weighing available only when weight more than 20d
- The function is not valid when one enters a lower limit greater than the upper limit.
- When lower limits are the same with upper limits, display only shows one set value

5.10.5 Tolerance Checking Mode

There are 3 checking modes for tolerance, they are check weighing mode, check counting mode and check percentage mode.

When the weight below the low limits, the backlight color will be orange

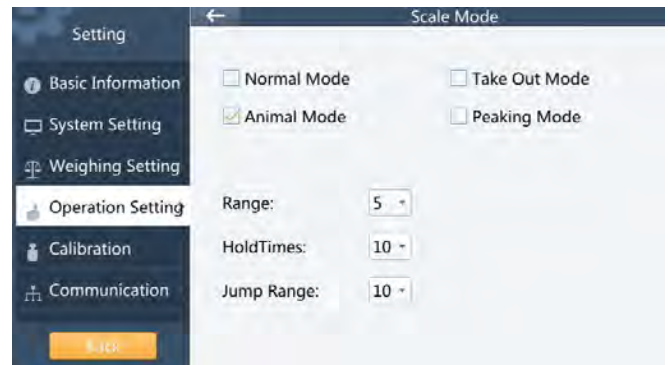
When the weight between the limits, the backlight color will be green

When the weight exceed the high limits, the backlight color will be red



5.11 Animal Weighing

- 1 In normal weighing mode, press  key to enter main menu, select setting > operation setting > scale mode;



- 2 Check the animal mode, and select the range and hold times for animal mode from the drop down list.
- 3 Click [Back] to exit setting mode, it will be pop up a prompt, press [Yes] to save animal setting. scale will be restart and come to animal weighing mode.



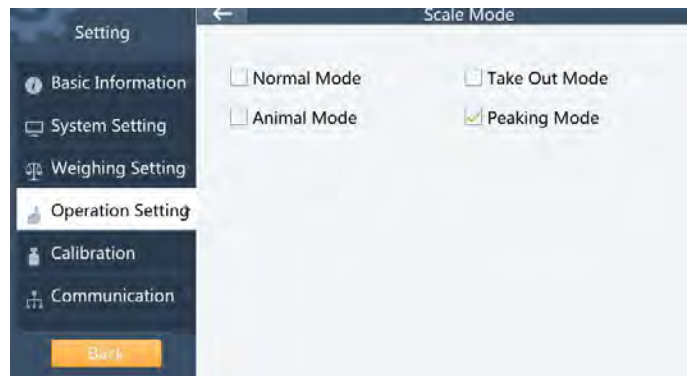
- 4 The Animal indicator  will appear in the upper side of the weight display.



- 5 Place item to be weighed on the scale platform. Once the stable indicator appears with a beep sound, the final weight will be shown on the display.
- 6 The weight will be update when the load weight exceed the floating range and jump range.
- 7 To disable the animal weighing function, it's required to enter set up menu to change scale mode to NORMAL mode .

5.12 Peak Hold

- 1 In normal weighing mode, press  key to enter main menu, select setting > operation setting > scale mode;



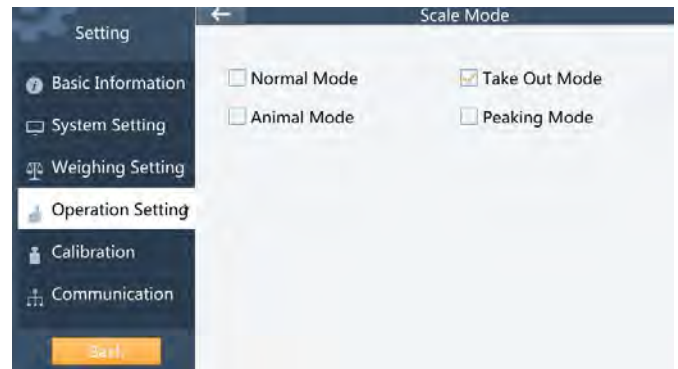
- 2 Check the peaking mode, Click [Back] to exit setting mode, it will be pop up a prompt, press [Yes] to save peaking setting. scale will be restart and come to peaking mode.



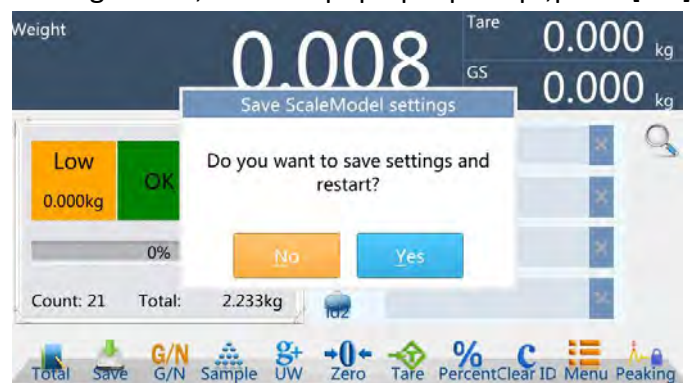
- 3 The Peaking key will appear in the lower side of the screen.
- 4 Load the weight on the platform, the maximum reading will be hold.
- 5 Press  key, the weight will be unlock.

5.13 Take out Mode

- 1 In normal weighing mode, press  key to enter main menu, select setting > operation setting > scale mode;



- 2 Check the take out mode, Click [Back] to exit setting mode, it will be pop up a prompt, press [Yes] to save take out setting.



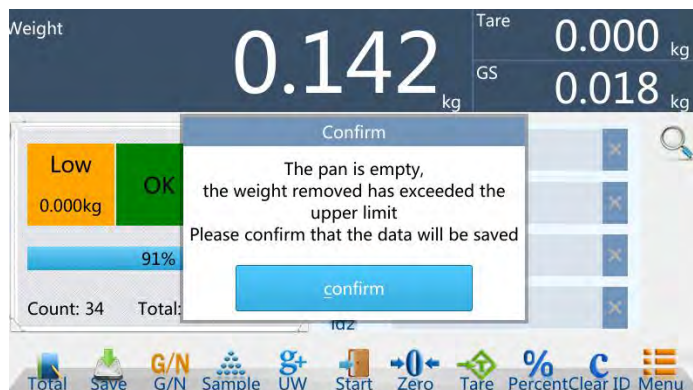
- 3 scale will be restart and come to take out mode.



- 4 Load total weight on the platter, press  key to go weighing
- 5 When select "AUTO LOAD" mode, Remove the weight one by one, it will be heard "beep" sound and record will be saved



- 6 Until all weights are removed, the screen prompts "data information to be saved".



6. Printing

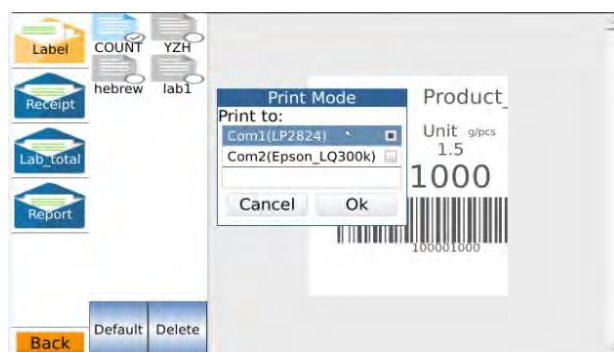
- 1 Press  key to select printing formats

- 2 Select the folder to select formats from the existing formats. Print format preview will be display on the right side.



- 3 After selecting the format, press  "default" key to confirm.

- 4 Then select the check box to choose the printer and com port settings and confirm by clicking OK.



- 5 Delete print format:

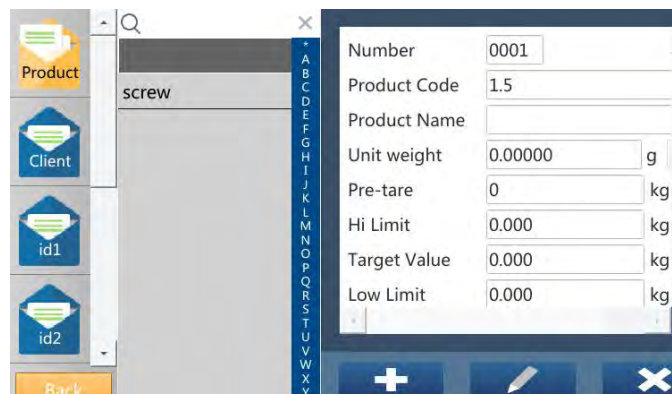
Select a format to delete from the list and press  key to confirm the format.

- 6 Press "Back" key to exit from the ID management,

7.ID Setting

7.1 Product Information

Press  key to enter products ID, Company ID, Operator ID & free ID 1 ~ 10 data management.



1		Add Key	For adding new products
2		Edit Key	For editing product information
3		Delete Key	For deleting products
4		Return Key	For returning to main page
5		Save Key	For saving information

7.1.1 Product Item Description

NO.	Name	Description
1	Number	Enter number of the PLU, 4digit numeric characters
2	Product Code	Enter product code of the PLU
3	Product Name	Enter name of the PLU.
4	Product Abbr	Enter product abbreviation of the PLU
5	Price	Enter price of the PLU, 15 digit numeric characters
6	Price unit	Select kg or 100g from the drop down list
7	Unit weight	Enter unit weight of the PLU
8	Unit weight unit	Select pcs or xxxpcs from the drop down list(xxx is the value to be set in operation setting >UW/P option)
9	Pre-tare	Enter pre-tare of the PLU
10	Hi limit	Enter product HI limit of the PLU
11	Target Value	Enter product target value of the PLU
12	Low limit	Enter product low limit of the PLU
13	Minimum limit	Enter product minimum limit of the PLU
14	losses	Enter losses percentage value
15	Kill date	Choose kill date from list (printing by calendar or print date)

16	Packing date	Choose use of best before Durability period (printing by calendar /print date / kill date)
17	Use by date	Choose use of best before Durability period (printing by calendar /print date / kill date / package date)
18	Expiry date	Enter expiry number of days = print date + number of days
19	Third date	Enter customized number of days = print date + number of days
20	Groups	Enter group name
21	Label Format	Choose label format from U disk
22	Trace Groups	Check to enter group setting
23	ID INFO set	Check to enter ID information setting
24	Groups selected	Select the groups from the drop down list
25	Input set	Check to enter ID setting
26	Zero print	Check ,print product as one pcs when weight is zero
27	Description	Enter information description
28	Optional 1	For any remarks; alphanumeric characters
29	Optional 2	For any remarks; alphanumeric characters
30	Optional 3	For any remarks; alphanumeric characters
31	Optional 4	For any remarks; alphanumeric characters
32	Optional 5	For any remarks; alphanumeric characters

7.2 Trace Group data setting and Operation

7.2.1 Adding T.Grp ID data



Group name: Used to set the Trace Group Name

ID name: used to set the ID's folder name for the each group name.

Active: Used to set the ID enable

Require: used to set to assign ID. If doesn't set, display will prompt for complete to choose the ID

7.2.2 Adding Product name with T.Grp and Id info Set.

By selecting "Select Group" could choose the T.Grp name from the list

By selecting "ID info Set" could assign ID names from the each ID list

NO	Select	Content	NO	Select	Content
Client:	☐		ID 5:	☐	Group A
ID 1:	☐	Batch A	ID 6:	☐	
ID 2:	☐	Group A	ID 7:	☐	
ID 3:	☐		ID 8:	☐	CartA
ID 4:	☐	Pick Up	ID 9:	☐	
			ID 10:	☐	

7.2.3 Select a product assigned with Trace group and pre-set ID's.

Select a product name with assigned trace group. All preset ID would be show on the assigned ID fields.



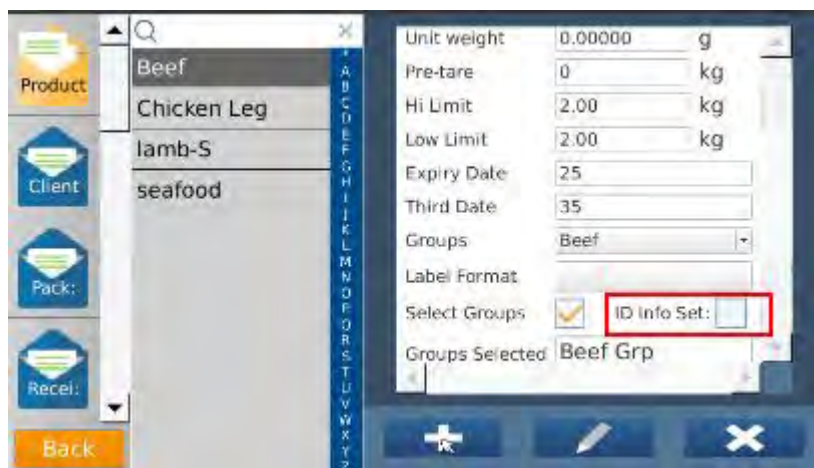
If the assigned ID don't have the data, it will prompt a message to choose the assigned ID



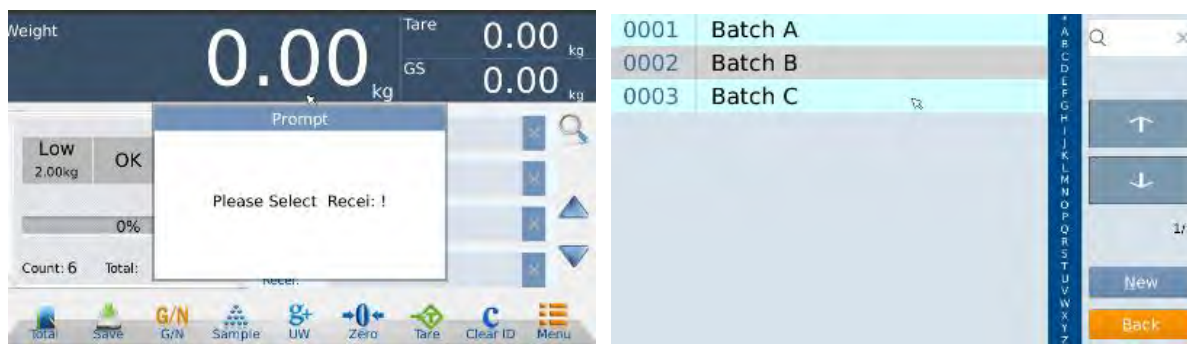
Must be fill up "*" marked ID fields for save/print weighments. If not, display would be prompt a message for entering "*" marked ID fields.



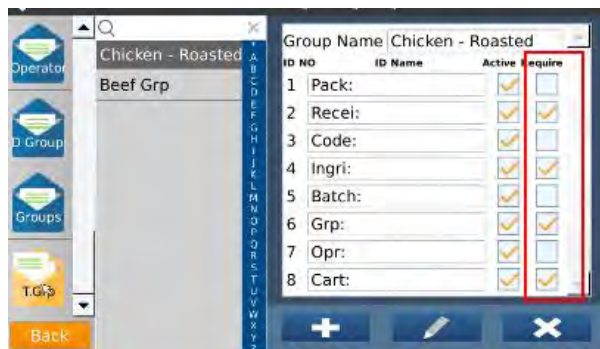
7.2.4 Select a product assigned with Trace group without selecting ID info



By choosing a product would prompt and open ID names window automatically, and follow to complete to enter all remaining ID fields.



PS: must be select "Require" fields of the T.Grp category names for prompt display and open ID names window automatically.



7.2 Client

Click **【Client】** to configure client information

7.3 ID1~ID10

Click ID1~ID10 to enter ID name and barcode

7.4 Operator

Click [Operator] to input operator name and password, select the permission from list, which can be set to operator or administrator, for permission setting, please see setting > operator permission

7.5 ID Group

ID groups contains product _client and ID that Has been set in ID setting

7.6 Group

Add group information,used for separate Product group.

ID	Name
0010	Screw M5x40
0006	Screw M5x20
0009	Screw M5x35
0016	Screw M3x10
0002	Screw M6x25
0012	Screw M4x12
0017	Screw M3x12
0011	Screw M4x10
0005	Screw M6x40
0004	Screw M6x35

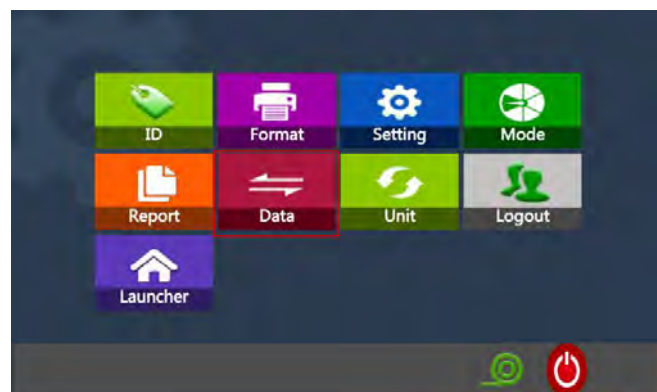
7.7 T.Group

Total group consist ID1~ID10, customized edit Information,once entered the name,it is Required to check active and require options

ID NO	ID Name	Active	Require
1		☐	☐
2		☐	☐

8.Data Transfer

In normal weighing mode, press  key to enter setup menu;



Select  key to enter data transfer:



Option	Description
Export ID info to Excel	Export product information from scale to USB disk
Import ID Info from Excel	Import product information from USB disk to scale
Import printer format	Import print format from USB disk to scale
Export printer format	Export print format from scale to USB disk
Import ID icon	Import product image from USB disk to scale
Export Record to Excel	Export record from scale to USB disk
Import Product icon	Import product image from USB disk to scale
Import Translation files	Import translation from USB disk to scale
Export Translation files	Export translation from scale to USB disk

8.1 Export data

- 1 Insert USB disk .
- 2 Select the required data's to export or select all as you need.
- 3 Click "Export" option.
- 4 Data will be export to the USB disk "car" folder.
- 5 Click "return" key to back to main menu.

Note: It is recommended that clear the data in the U disk before insert the USB disk, the old data will be overwrite when export new data to the U disk.

If failed to insert the U disk, a prompt will be pop up "Please insert the U disk ".

8.2 Import data

- 1 Insert USB with "car" folder contents .
- 2 Select the required data's from the list.
- 3 Click "Import" option.
- 4 Data will be saved into the scale memory.
- 5 Click "return" key to back to main menu.

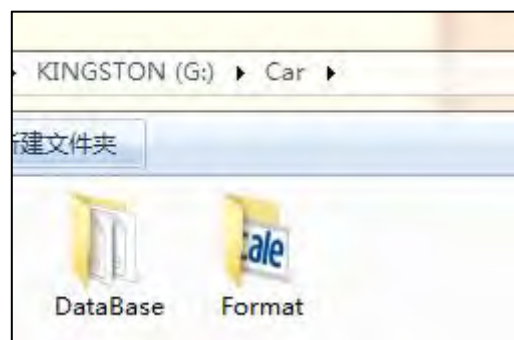
8.3 USB Flash Disk Data

USB Disk Main Folder Name:

-Car

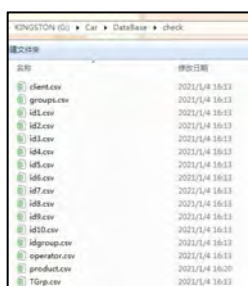
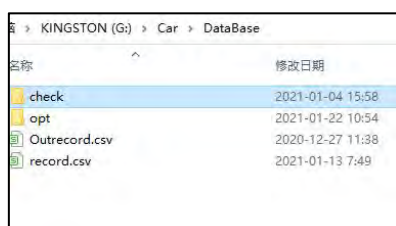
-product icon

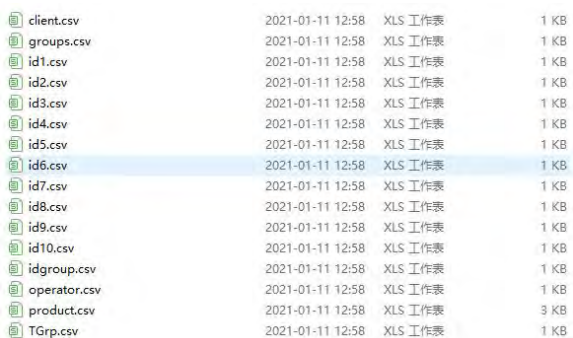
-icon



"Car" data - subfolders :Database and Format

Database - subfolders :check and opt



Folder name	Description
Label Format –Folder for label formats.	Format files should be under .fmt format and for logo files, it should be under .bmp format. Name the folder only with numbers and alphabets.
Label Total –Folder for label total.	
Receipt –Folder for receipt formats.	
Report Format –Folder for report format	
icon – Folder for ID images.	Format: “png” Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric.
product icon – Folder for product images.	Format: “png” Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric. The name of picture is product code
tr –Folder for translated documents.	 System document. Can't edit or import
Check	Format: csv,it contains database files 

Note: If using high resolution pictures, scale operation will be slow and available FLASH free memory will be less.It may affect to store maximum numbers of PLU.

8.4 csv file instruction

product.csv

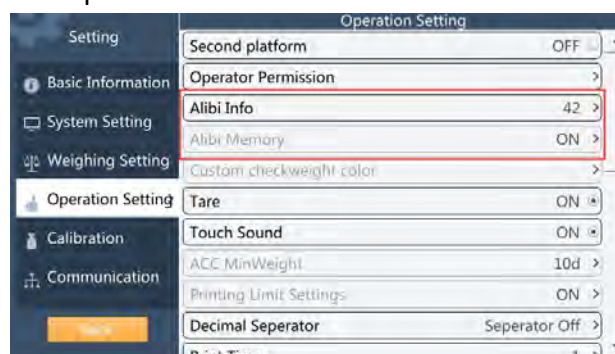
NO.	Name	Description
1	Number	Enter number of the PLU, 4digit numeric characters
2	Product Code	Enter product code of the PLU
3	Product Name	Enter name of the PLU.
4	Product Address	Enter product address of the PLU
5	Price	Enter price of the PLU, 15 digit numeric characters

6	Price unit	Enter number, 0=/kg;1=/100g
7	Unit weight	Enter unit weight of the PLU
8	Unit weight unit	Enter number, 0=g/pcs;1=g/1000pcs
9	Pre-tare	Enter pre-tare of the PLU
10	Hi limit	Enter product HI limit of the PLU
11	Target Value	Enter product target value of the PLU
12	Low limit	Enter product low limit of the PLU
13	Minimum limit	Enter product minimum limit of the PLU
14	losses	Enter losses value
15	Use by date	Enter Use of Best before Product expiration date(by number of days)
16	Kill date	Enter number of date
17	Group	Enter group name
18	Label Format	Enter label format route, eg:/opt/TScaleFileForCar/Format/checkWeighting/LabelFormat/
19	Description	Enter information description
20	Optional 1	For any remarks; alphanumeric characters
21	Optional 2	For any remarks; alphanumeric characters
22	Optional 3	For any remarks; alphanumeric characters
23	Optional 4	For any remarks; alphanumeric characters
24	Optional 5	For any remarks; alphanumeric characters

8.5 Alibi Memory

X10-X15 scale support to store the alibi memory, the data can not be editable. To enable the alibi memory, it is required to press calibration switch And enter parameters to switch on the alibi memory in approval mode.

If the Alibi option is set On, the additional menu item Alibi Memory Record will display.



8.5.1 Alibi Data Storage

Once switched on the Alibi memory, load weight on the platter in normal weighing mode, the alibi records appear on the display.

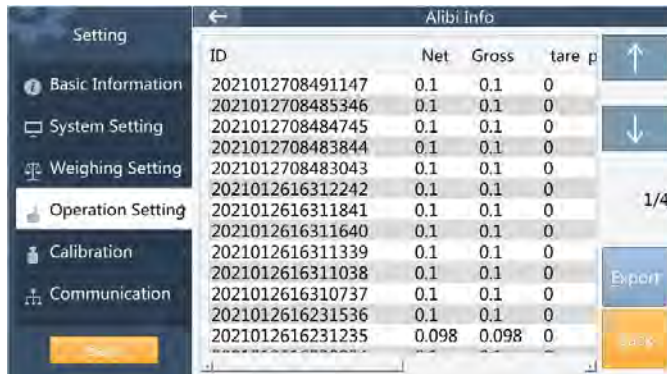


8.5.2 Alibi Data Browsing

When complete the weighing operation, select [Menu] > [Operation setting] > [Alibi info] option, press

 scroll up or  scroll down the page to browse the Alibi record, and the Alibi record contains the following information.

- ID
- NET
- GROSS
- TARE
- PRE-TARE
- UNIT
- DATE/TIME
- CRC

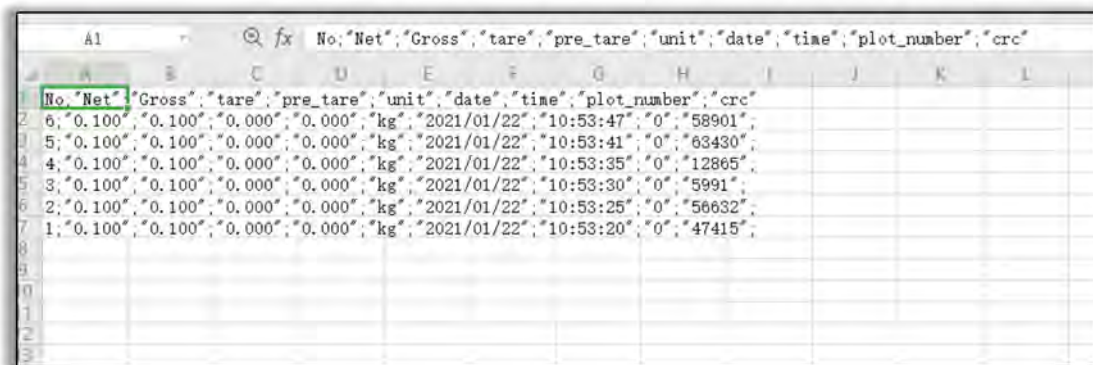


ID	Net	Gross	tare p
2021012708491147	0.1	0.1	0
2021012708485346	0.1	0.1	0
2021012708484745	0.1	0.1	0
2021012708483844	0.1	0.1	0
2021012708483043	0.1	0.1	0
2021012616312242	0.1	0.1	0
2021012616311841	0.1	0.1	0
2021012616311640	0.1	0.1	0
2021012616311339	0.1	0.1	0
2021012616311038	0.1	0.1	0
2021012616310737	0.1	0.1	0
2021012616231536	0.1	0.1	0
2021012616231235	0.098	0.098	0

8.5.3 Alibi Data Exporting

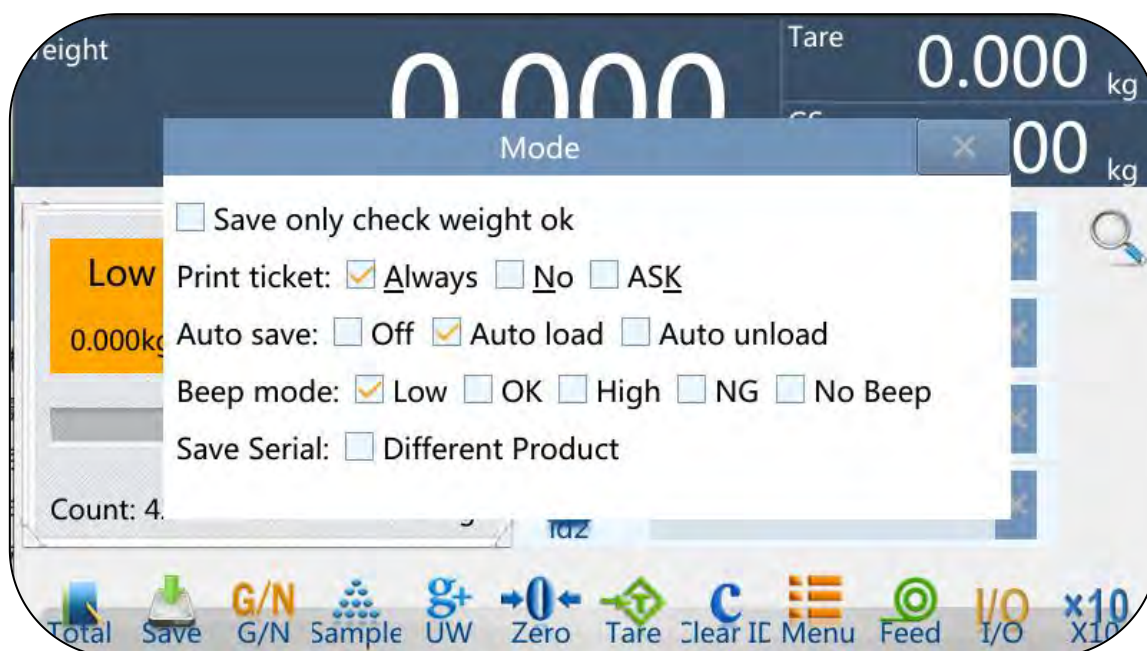
Click  key to export the alibi records to u disk in csv.format, it's required to insert the U disk to USB port in advance. once complete exporting, display show "EXPORT SUCCESSFUL"

The file will be stored in folder named Car>Database>opt>apps>sw40>alibi

No.	Net	Gross	tare	pre_tare	unit	date	time	plot_number	crc
6	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:47	0	58901
5	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:41	0	63430
4	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:35	0	12865
3	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:30	0	5991
2	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:25	0	56632
1	0.100	0.100	0.000	0.000	kg	2021/01/22	10:53:20	0	47415

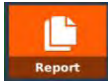
9.Mode



Select  key to select for the mode of operations & printing options

Save Only Check Weight Ok	When check, It's allows to save weighing records only when the check weighing range between Ok
	When uncheck, the weighing records will be save
Print Ticket	Always: It will print for the each weighment automatically
	No: Printing function turn Off
	ASK: It will ask every time, whether it's required to print.
Auto Save	Off: Auto saving function turned off
	Auto Load: Data will be save while loading and once get stable
	Auto Unload: Data will be save while unloading goods from the platform
Beep Mode	Low: Beep sound will active for when it's in Low range settings
	Ok: Beep sound will active for when it's in the Ok range
	High: Beep sound will active for when it's in the High range
	NG: Beep sound will active for when it's in the out of the range
	No Beep: Beep sound will function turned Off
Save mode (different product)	Different products: When choosing different products, the save mode will only save the record of the current product. In total, you can only view the record of the product you want. When checking is not done, the way of preservation is arranged in a certain order.

10. Report



Press **Report** key to select Report management, it can choose Daily Reports, Monthly Reports, Product Reports, Client Reports, ID Groups Report and Operator Reports.

Any time can select other reports to change back to other reports.

No.	Product	Weight(kg)	Unit	Result	Quantity	Time
12	screw	0.1	kg	high	43	16:21
13	screw	0.1	kg	ok	43	16:21
14	screw	0.1	kg	ok	43	16:21
15	screw	0.1	kg	high	43	16:21
16	screw	0.1	kg	low	43	16:22
17	screw	0.1	kg	low	43	16:22
18	screw	0.1	kg	low	43	16:22
19	screw	0.1	kg	ok	43	16:22
20	screw	0.1	kg	ok	43	16:23
21	screw	0.1	kg	ok	43	16:23
22	screw	0.1	kg	ok	43	16:23

1

No.	Date	Product	Weight(kg)	Unit	Result	Quantity
23	2021/01/26	screw	0.1	kg	ok	43
24	2021/01/26	screw	0.1	kg	ok	43
25	2021/01/26	screw	0.1	kg	high	43
26	2021/01/26	screw	0.1	kg	high	43
27	2021/01/26	screw	0.1	kg	no check	43
28	2021/01/26	screw	0.1	kg	no check	44
29	2021/01/26	screw	0.1	kg	no check	0
30	2021/01/26	screw	0.1	kg	no check	0
31	2021/01/26	screw	0.1	kg	no check	0
32	2021/01/26	screw	0.1	kg	no check	0
33	2021/01/26	screw	0.1	kg	no check	0

2

Product	Total items	Total Weight	Total Pcs
	5	0.500kg	0.000pcs
screw	20	2.000kg	732.000pcs

3

Client	Total items	Total Weight	Total Pcs
	5	0.500kg	0.000pcs
t-scale	20	2.000kg	732.000pcs

4

ID_Groups	Total items	Total Weight	Total Pcs
aa	6	0.600kg	0.000pcs

5

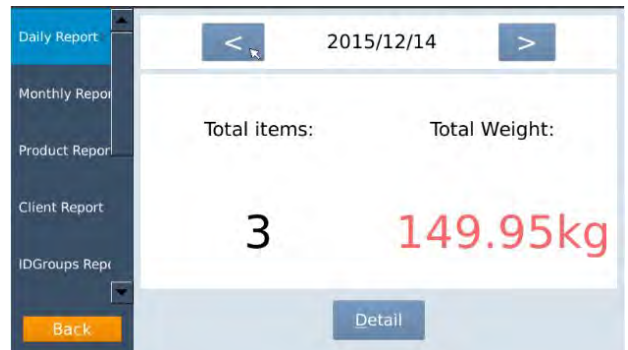
user_name	Total items	Total Weight	Total Pcs
Technician	25	2.500kg	732.000pcs

6

① Daily Report ② Month Report ③ Product Report ④ Client Report ⑤ IDgroup Report ⑥ Operator Report

10.1. Daily Report

- 1 Select daily report to check the report and select date by using left or right arrow keys.



- 2 Select date and press "Detail" option to get report.

- 3 Press "Up and Down Arrow" keys to change page

No.	Product	Weight(kg) T	Result	Quantity
1	newop	49.95	no check	0
2	Basmati Rice	50.00	no check	0
3	new	50.00	no check	0

- 4 Press EXPORT key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.

- 5 Press Print key to print the report.

Note:

Press BACK / RETURN key to go back to the previous step or press other report option to view reports

**Note: Refer com and Pformat settings to print,
It's required to select Communication > Com and Pformat settings.**

10.2. Monthly Report

- 1 Select monthly report to check the report and select month by using left or right arrow keys.



- 2 Select "Detail" option to get report.

- 3 Press "Up and Down Arrow" keys to change page

No.	Date 1	Product	Weight(kg)	Result	Quantity
1	2015/12/11	Ceramic Tile	93.70	no check	0
2	2015/12/11	Wheat	36.60	ok	0
3	2015/12/11	Rubber Cher	50.00	no check	0
4	2015/12/11	Medical Equi	50.00	no check	0
5	2015/12/11	Kitchen Equi	86.55	no check	0
6	2015/12/11	Sea Foods	86.60	no check	0
7	2015/12/11	Chicken Proc	36.60	no check	0
8	2015/12/11	Chemicals	50.00	no check	0
9	2015/12/11	Almonds	49.95	no check	320
10	2015/12/11	Basmati Rice	50.00	no check	0
11	2015/12/11	Chemicals	49.95	no check	0
12	2015/12/11	Basmati Rice	49.95	no check	0
13	2015/12/11	Almonds	49.95	no check	320
14	2015/12/11	Basmati Rice	49.95	no check	0

- 4 Press EXPORT key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.

- 5 Press Print key to print the report.

Note:

Press BACK / RETURN key to go back to the previous step or press other report option to view reports

**Note: Refer com and Pformat settings to print,
It's required to select Communication > Com and Pformat settings.**

10.3. Product Report

- 1 Select **"Product Report"** option to check the product report

- 2 Select product, **"From"** & **"To"** options in the list and select date in the **"From and To"** options list and confirm by pressing OK.

- 3 Select **"Detail"** option to get the detail information and option

Product	Total items	Total Weight
Almonds	2	99.90kg
Basmati Rice	4	199.90kg
Chemicals	2	99.95kg
Chicken Products	1	36.60kg
Kitchen Equip	1	86.55kg
Medical Equipmen	1	50.00kg

- 4 Press **"Up and Down Arrow"** keys to change page

- 5 Press EXPORT key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.

- 6 Press Print key to print the report.

No	Product	Weight(kg)	Result	Quantity	Date
1	Almonds	49.95	no check	320	2015/12/11
2	Almonds	49.95	no check	320	2015/12/11
3	Basmati Rice	49.95	no check	0	2015/12/11
4	Basmati Rice	49.95	no check	0	2015/12/11
5	Basmati Rice	50.00	no check	0	2015/12/11
6	Basmati Rice	50.00	no check	0	2015/12/14
7	Chemicals	49.95	no check	0	2015/12/11
8	Chemicals	50.00	no check	0	2015/12/11
9	Chicken Prod	36.60	no check	0	2015/12/11
10	Kitchen Equip	86.55	no check	0	2015/12/11
11	Medical Equip	50.00	no check	0	2015/12/11

Note:

Press BACK / RETURN key to go back to the previous step or press other report option to view reports

**Note: Refer com and Pformat settings to print,
It's required to select Communication > Com and Pformat settings.**

10.4. Client Report

- 1 Select **"Client Report"** option to check the report and select client details in the **"From" & "To"** options in the list and select date in the **"From and To"** options list.
- 2 Press **"Ok"** option to get report.
- 3 Select **"Detail"** option to get the detail information and option
- 4 Press **"Up and Down Arrow"** keys to change page
- 5 Press **EXPORT** key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.
- 6 Press **Print** key to print the report.

The screenshots show the following steps in the Client Report interface:

- Selection Screen:** A sidebar on the left lists report types: Daily Report, Monthly Report, Product Report, Client Report (highlighted), IDGroups Report, and a dropdown arrow. The main area has fields for Client (From: ALL, to: ALL) and Date (From: 2015/11/15, to: 2015/12/15). An 'Ok' button is at the bottom right.
- Summary Table:** Displays the date range and client name. Below is a table of client items.

Client	Total items	Total Weight
tural -horticultur	6	309.70kg
ting Equipment	3	149.95kg
uilding Chemical	2	99.95kg
offee Importers,	2	99.90kg
Cabinets & Equi	1	86.55kg
Equipment Dist	1	50.00kg

Navigation buttons: Back, Up/Down arrows, 1/2, Detail, Back.

- Client report Table:** A detailed table with columns: No., Client T, Weight(kg), Result, Quantity, Date.

No.	Client T	Weight(kg)	Result	Quantity	Date
1		49.95	no check	0	2015/12/11
2		49.95	no check	320	2015/12/11
3		49.95	no check	0	2015/12/11
4		49.95	no check	0	2015/12/11
5		50.00	no check	0	2015/12/11
6		49.95	no check	320	2015/12/11
7		50.00	no check	0	2015/12/11
8		36.60	no check	0	2015/12/11
9		86.60	no check	0	2015/12/11
10		86.55	no check	0	2015/12/11
11		50.00	no check	0	2015/12/11

Navigation buttons: Back, Up/Down arrows, 1/2, Print, Export, Back.

Note:

Press BACK / RETURN key to go back to the previous step or press other report option to view reports

**Note: Refer com and Pformat settings to print,
It's required to select Communication > Com and Pformat settings.**

10.5. ID Groups Report

- 1 Select **"ID Group Report"** option to check the report and select client details in the **"From"** & **"To"** options in the list and select date in the **"From and To"** options list.

- 2 Press **"Ok"** option to get report.

ID_Groups	Total items	Total Weight
A	5	22,300kg

- 3 Select **"Detail"** option to get the detail information and option
- 4 Press **"Up and Down Arrow"** keys to change page
- 5 Press **EXPORT** key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.
- 6 Press **Print** key to print the report.

No.	ID_Groups	Weight(kg)	Result	Quantity	Date
1	A	49.95	no check	0	2015/12/11
2	B	49.95	no check	320	2015/12/11
3	A	49.95	no check	0	2015/12/11
4	C	49.95	no check	0	2015/12/11
5	A	50.00	no check	0	2015/12/11
6	B	49.95	no check	320	2015/12/11
7	C	50.00	no check	0	2015/12/11

Press **BACK** key to go back to the previous step or press other report option to view reports

10.6. Operator Report

- 1 Select **"Operator Report"** option to check the report and select client details in the **"From"** & **"To"** options in the list and select date in the **"From and To"** options list.

- 2 Press **"Ok"** option to get report.

- 3 Select "Detail" option to get the detail information and option
- 4 Press "Up and Down Arrow" keys to change page
- 5 Press EXPORT key to select to export report to USB drive, it will get report in Excel document, if USB not connected export operation will not complete.
- 6 Press Print key to print the report.
- 7 Press BACK key to go back to the previous step or press other report option to view reports

Date: From 2015/11/15 to 2015/12/15 user_name ALL			
user_name	Total items	Total Weight	
Technician	13	696.10kg	
admin	2	100.00kg	
operator	1	49.95kg	

user_name report					
No.	user_name	Weight(kg)	Result	Quantity	Date
1	Technician	36.60	ok	0	2015/12/11
2	Technician	50.00	no check	0	2015/12/11
3	Technician	50.00	no check	0	2015/12/11
4	Technician	86.55	no check	0	2015/12/11
5	Technician	86.60	no check	0	2015/12/11
6	Technician	36.60	no check	0	2015/12/11
7	Technician	50.00	no check	0	2015/12/11
8	Technician	49.95	no check	320	2015/12/11
9	Technician	50.00	no check	0	2015/12/11
10	Technician	49.95	no check	0	2015/12/11
11	Technician	49.95	no check	0	2015/12/11

11.Settings

11.1 Enter to setting

- After power on, display show T-TOUCH logo and then enter to normal weighing mode.



- In normal weighing mode, press the key to enter setup menu;

11.2 Menu Block

No	User	Permission
1	Operator	Only weighing and counting, no permission
2	Administrator	Access all parameters except Weighing Settings and Calibration.
3	Technical	Access all parameter's and functions by using "technician" username and password.

Note: username and passwords are case sensitive.

If in approval version, to access to any menu, it's required to press calibration switch, it is locating below the scale.

Menu	Sub Menu	Description
Basic Information	User Information	Input company address and all, it will be print as header/footer on the receipts
	Scale ID	Scale ID name
	Decimal Point Setting	Decimal Point notation can be define " , " or " . "
System Setting	Gravity	Set the local gravity value
	Set Date Format	To set local date and time
	Language	To choose the language from the available list
	System Properties	All System & software information
	Set password	Set your new password. Default password: 000000
	Reset database	Reset Member/Weight and BMI/Index Data. *once reset the data, it will not recover back.
	Backup and Recover	System backup to USB disk and restore from the USB disk
Weighing Setting	Approval Setting	Approval setting mode to Non Approve/OIML/etc.
	Range mode	Setting range mode to Single/Dual Interval/Dual Range
	Calibration unit	Select the calibration unit to Kg/lb/t etc
	Decimal	Select Decimal point
	Capacity	Select Scale max capacity
	Minimum Calibration Weight	Select calibration minimum weight to No Limits / 10% of the scale capacity
	Division	Select scale division
	Power on zero	Auto zero range
	Semi Automatic zero	Manual zero range
	Zero tracking	Select the range of zero to track
	Tare Operation	Multi-Tare operation enable or disable

Operation Setting	Measure Speed	Select the desired Measure speed from the list, to select for AD speed.
	Overload Info	to check the error weighing Overload/Under load information
	IO Function Set	Select I/O operations
	Default Used ID Settings	Change ID text name & logo ,Enable or Disable more ID
	Print List Number Settings	To set the print list number
	Print Total Mode	Select printing ticket of the Total to choose label or receipt
	Second Platform	Turn ON/ OFF Second Scale ON: Indicator can operate remote scale and will displayed  indication to show the platform operation OFF: Second scale function will be disable.
	Operator Permission	Select permissions to allow to do by operator
	Custom check weight color	Set check weight color
	Tare	Tare operation could be turned ON/OFF.
	Touch Sound	Indicator operation sound could be turned to ON/OFF
	Acc Min Weight	Select accumulation min weight
	Printing Limit settings	To set print and accumulation automatically
	Decimal separator	Decimal separator could be turned ON/OFF.
	Not Stable Printing	When scale not stable,the data could also be print
	Print Times	The label could be printed by inputting print times
	Print Delay Time	Input the delay time for printing
	Price Function	Price Function could be turned ON/OFF.
	Save Function	Save Function could be turned ON/OFF.
	Special Date Time	For printing simple date and time in the print format
	Scale Mode	Normal Mode / Take Out mode/Animal Mode/Peaking Mode
	Print Seconds	For Printing data with seconds
	Menus ON/OFF	Function keys could be turned ON/OFF in the operator display
	BigScreen Menus ON/OFF	The weight display could be set to full screen
	Barcode Mode	assign ID's in barcode function turn on / off
	Barcode Data Set	assign ID's in barcode when the barcode mode is ON
	Product Order Set	Used to sort product search list to product name/product code/product number
	Percentage Function	Used to turn ON percentage. Home screen will show % key for selecting % weighing. By press and hold %key allows to switch back to normal weighing.
	CSV separator Setting	Used to display in csv.file
	Print no Length Setting	Used to choose the serial number printing length 1 ~7
	UW/P	Enter the corresponding unit to convert the PCS value unit. When selecting a single item in the product list, it can be converted to the corresponding input value.
	Log condition	Used to set the storage condition options in the checking and counting states.
	Auto multi-tare	Turn the auto multi-tare function on/off
	Display mode	Set up the display interface to enter in boot state, with small screen and large screen selection. When the display mode is

		selected as large screen, it will automatically enter the large screen display state after each boot.
	Print Zero	Set the state of the scale to print at zero weight.
	UI select	To select different UI for operator display
	Tare mode	To set tare mode on/off
	Delete data from report	To set delete data from report
	ID disable	To set ID disable function on/off
Calibration	Load Calibration	Scale normal calibration
	UnLoad Calibration	Scale calibration by using unload
	Zero Calibration	Scale zero Calibration
	Linearity Calibration	Scale Linear calibration
	Trim	Scale calibration by adjusting the value
	Calibration Data	To check the last calibration data
	Corner Trim	To check the each corner weight difference
	Internal Counts	To check the internal counts,
Communication	Com1	RS232 serial port communication settings
	Com2	RS232/422/485 port communication settings
	TCP remote server setting	To set IP address and port number for TCP remote serve
	Data transfer mode	To select data transfer mode
	Remote scale	Local For connecting the second platform WIFI For connecting with TN crane scale via WIFI Com-Continue For connecting with TN crane scale via Bluetooth Com-Ask For connecting with precision balance via com port
	eth0	Ethernet communication settings This function will be enable only once its connected Ethernet port to the PC/device.
	Wlan	Wifi Communication settings

11.3 Basic Information

11.3.1 User Information

User information allows for inputting company address as header & footer for the print formats.

11.3.2 Scale ID

Entered the scale ID by using numeric keys

11.3.3 Decimal Point Setting

Used to set decimal point displayed, including "," or ".". After the selection is complete, scale will be start to self-checking, click Yes to complete the setting.

Select “,”	Weight 0,000 kg	Tare 0,000 kg GS 0,000 kg
Select “.”	Weight 0.000 kg	Tare 0.000 kg GS 0.000 kg

11.4 System setting

11.4.1 Gravity

Input the local gravity in the blank field as per the region located.



11.4.2 Set date format

Date format including date format and out Date format, date format setting used to display in weighing mode, serial port communication, TCP data transferring and printing.

Output date format setting used to display in Kill date, use by date and packing date.



- 1 Select the date format and date separator
From the drop down list
- 2 Confirmation display will be show, by pressing OK and can cancel by pressing Cancel option.

11.4.3 Language

It can change languages as per the list

- 1 Select **System Settings -> Language**.
- 2 Select language from the list,
- 3 Confirmation display will be show, by pressing OK and can cancel by pressing Cancel option.
- 4 If press ok, language will be change and system will restart to change settings.



11.4.4 System Information

To check the software versions and memory status

The software is separated in weighing software, application software, screen keyboard software, printing software.

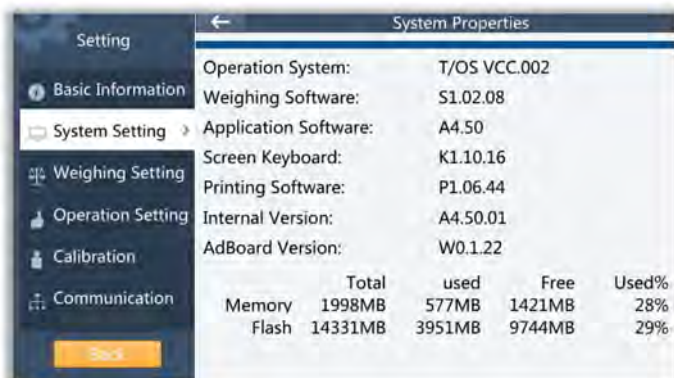
*OIML Version: V1.10

*Weighing Software: 1.10.xx

Application Software: A1.xx.yy. (z)

Screen Key Board: K1.xx.yy

*Printing Software: P1.06.xx



Note: * part of the legal relevant software

Where xx and yy can be 00 to 99, while z can be not present or a to z

11.4.5 Set Password

- 1 Set password allows you to change the Technician Password .
- 2 Input default Technician password as 000000 to change the password settings.
- 3 Input new password for Technician and confirm by clicking Ok key.
- 4 Once change the password, default password/existing password will not useful.



WARNING: Please do this operation very carefully.

- Once change the Technician password, further default password will not useful.
- Please keep to record new password in your safe place for referring in future.
- Once forget the new password, it could not recover back or reset new password, it may lose your scale data.

11.4.6 Reset Database

Reset database option will allow you to reset different database from the indicator.

Reset Record Data: All records will be clear

Reset Product Data: All Product ID will be clear

Reset Client Data: All supplier/Client ID will be clear.

Reset ID1 ~ ID10: All ID data will be clear



WARNING: Please do this “Reset” operation very carefully. If it’s required make the backup copy first from the backup and recover option.
This operation will be removing all data from the database. It cannot recover back.

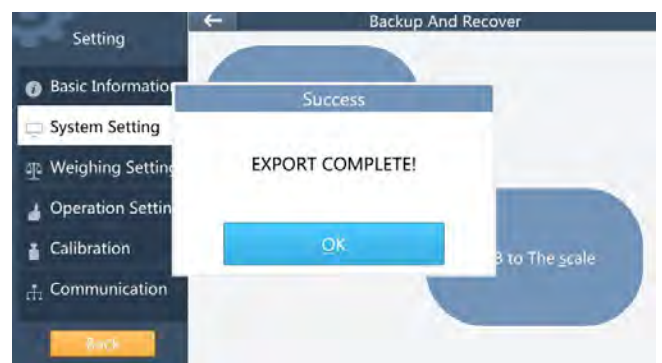
11.4.7 Backup and Recover

Backup: The scale to USB

Recover: USB to the scale



- 1 Before backup the scale data ,it’s required to insert U disk to the USB port.
- 2 Press [The scale to USB],a prompt “backup complete”will be pop up, the data will be exported to USB in csv.format.



- 1 Press [USB to the scale], Confirmation display will be show, by pressing OK and can cancel by pressing Cancel option.

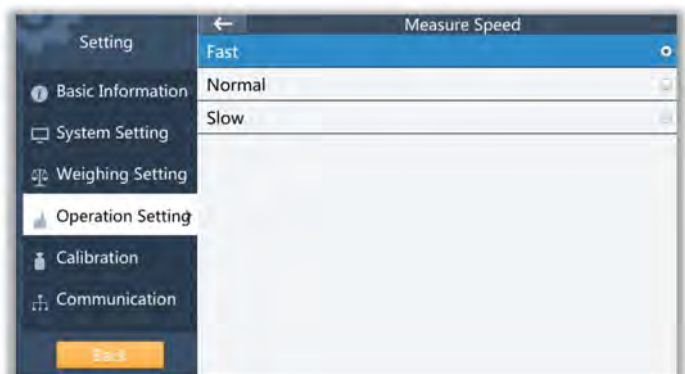


- 2 Scale will be start to self-checking and back to normal weighing mode.

11.5 Operation setting

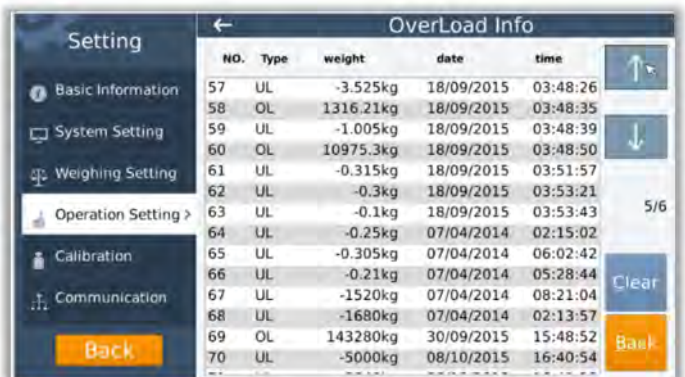
11.5.1 Measure Speed

This machine has three modes of slow, normal, fast. Please choose the appropriate speed mode according to the use environment and weighing mode.



11.5.2. Overload Info

Overload info allows to choose the scale overload & under load information to understand the scale break down reason.



11.5.3. IO Function Set

I/O function allows the user to connect Alarm Light with weighing indicator, including 4 output option and 1 test option.

Option Description

Alarm lamp 1	To set HI, low,ok,beep and status at reset for alarm lamp If necessary,entered the number of delay time and active time
Alarm lamp 2	
Alarm lamp 3	
Alarm lamp 4	
Test	For testing the corresponding color for tolerance checking
Output status settings	Check the reverse mode status for normal open and normal close status switching
Output stable mode	ON:The alarm lamp for tolerance checking to be available when scale is stable OFF:The alarm lamp for tolerance checking to be available when scale is unstable

Setting Operation

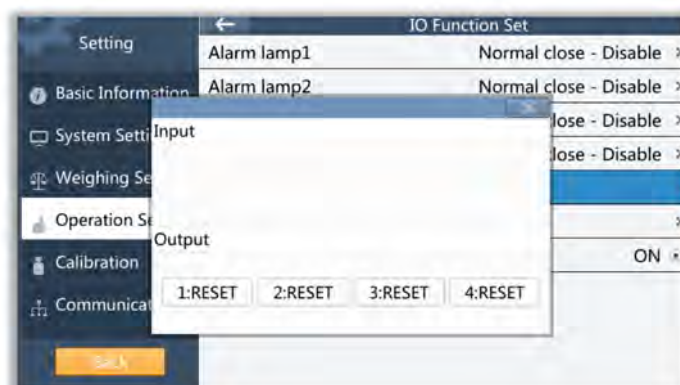
- 1 Insert the 9 pin connector of alarm light to COM1 port of scale, which is locating below the scale

- 2 Press  key to enter setting parameter, select Operating Setting > IO Function Set IO Function Set.

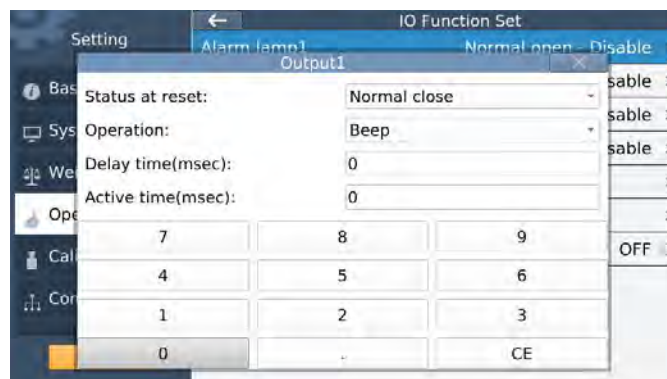


Before set the I/O function for alarm light, it is required to reset the alarm light.

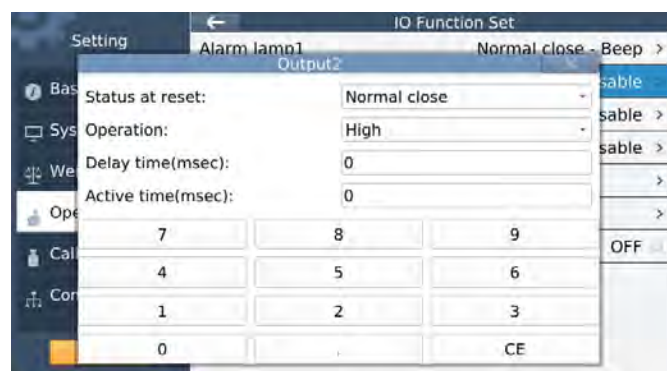
- 3 Press test option,
 - select 1:RESET key, the color of Alarm Light will be shown green;
 - select 2:RESET key, the color of Alarm Light will be shown yellow;
 - select 3:RESET key, the color of Alarm Light will be shown red
 - select 4:RESET key, it will be heard beep sound from alarm Light



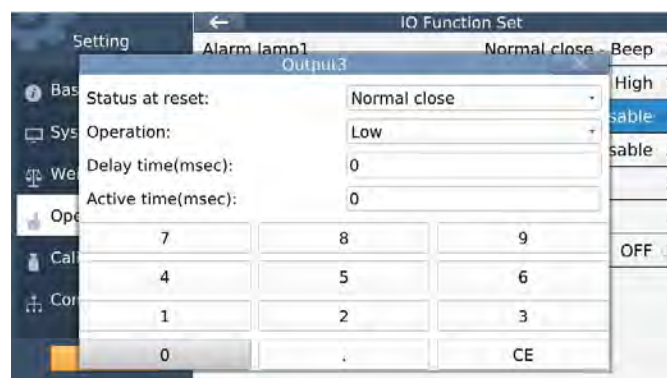
- 4 Press alarm lamp 1 option,select normal close from status at reset,select **Beep** from operation list



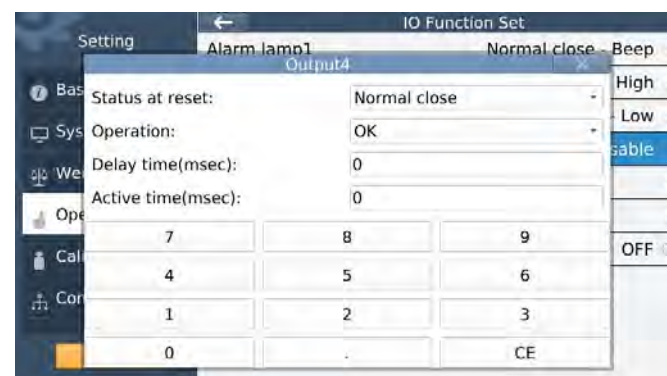
- 5 Press alarm lamp 2 option,select normal close from status at reset,select **High** from operation list



- 6 Press alarm lamp 3 option,select normal close from status at reset,select **LOW** from operation list

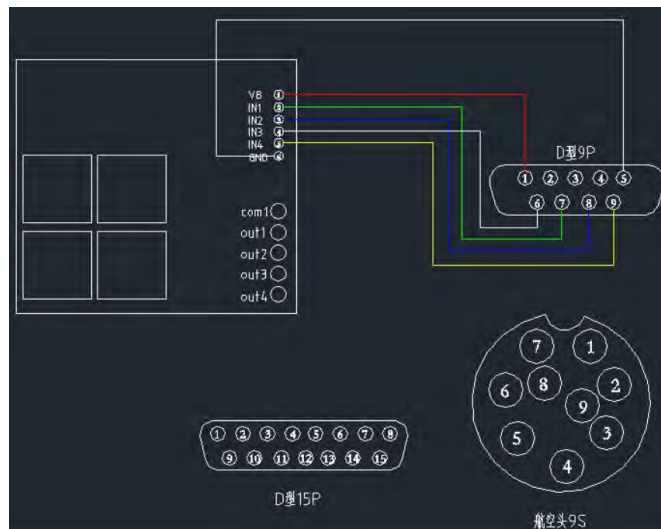


- 7 Press alarm lamp 4 option,select normal close from status at reset,select **OK** from operation list



- 8 Back to weighing operation, press directly to Lo or Hi windows, enter the value from the keyboard,
 when the weight below the low limits, the alarm light color will be yellow;
 when the weight between the limits, the alarm light color will be green;
 when the weight exceed the limits, the alarm light color will be red;

Wire connections for alarm lamp



Main board	DB9 Connector	DB15 Connector	Air Connector	Color
1	1	1	1	Red
2	7	7	7	Green
3	8	6	8	Blue
4	6	8	6	White
5	9	9	9	Yellow
6	5	5	5	Black

11.5.4. Default Used ID Settings

It allows for adding ID field (Max 10 Nos), modifying ID field name and modifying ID logo

Change ID Field name & Enable

Rename ID Field here



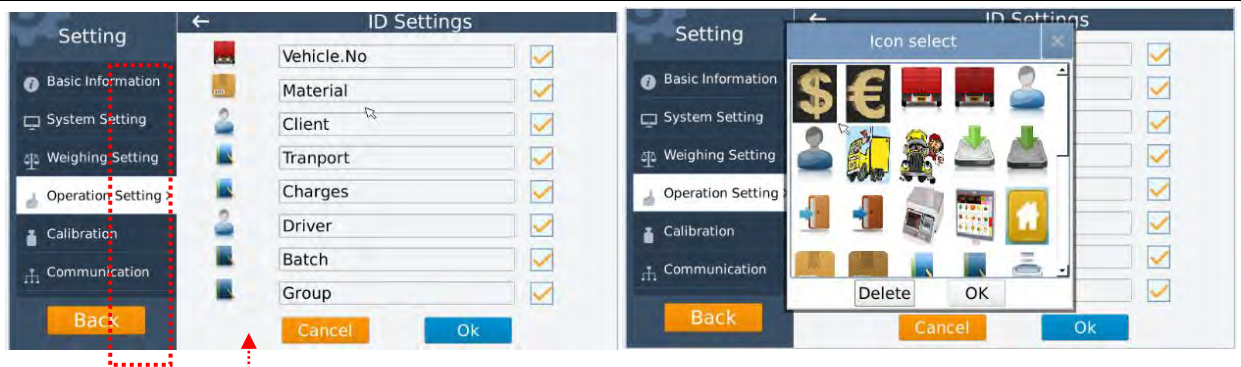
Click here to enable field

If it's required, change the field names and click check box to enable field and press OK key to confirm

Change ID Icon



It could change the Icon



Note: New Icon can be import to indicator from the Data “Import ID icon” option.

**Select an Icon from the list
and confirm by OK key**

Once finish the ID field setting, click Ok key to confirm,

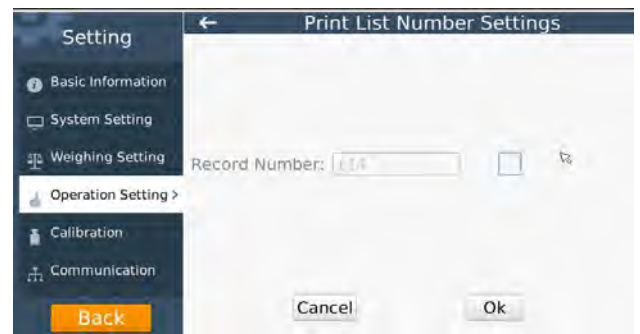
Warning message will be open to confirm the settings. Press Yes key to confirm or No key to cancel.

Once confirmed, system will restart with the new field ID changes.



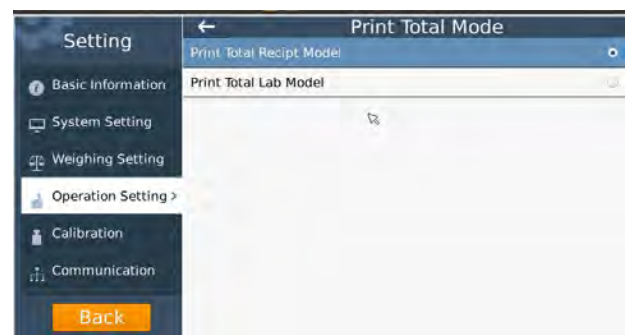
11.5.4 Print list number settings

Set the starting number of the print list number, click on the square on the right, check it, enter the corresponding number in the input box, and click on confirmation.



11.5.5 Print Total Mode

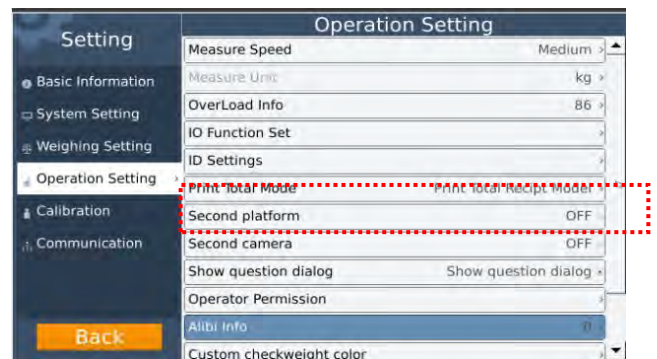
Setting up total printing mode, you can choose label mode and receipt mode.



11.5.6. Second Platform ON/OFF

Second platform OFF: Function turned off

Second platform ON: Function turned ON and display will be show  indicator



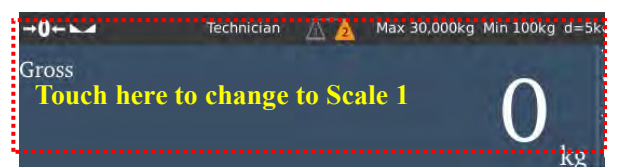
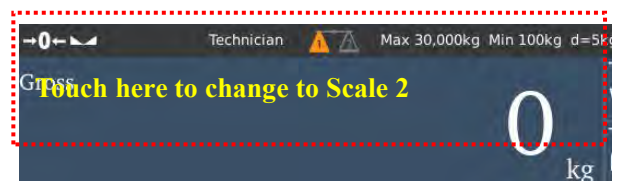
It's allows you to connect to the optional second platform,



Scale 1 Indication



Scale 2 Indication



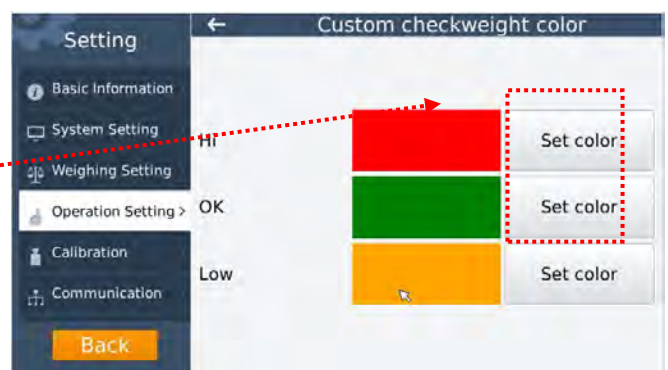
Touch weight window to change to Scale 1 or Scale 2

Note: Second Platform is an optional option, if product hardware has an option to connect to second platform, then only applicable second platform feature

11.5.7. Custom checkweight color

Select **Operation Settings -> Custom checkweight color**

You can set color, touch Set color key to set checkweight color.
Select you need color touch OK key.



11.5.8. Operator Permission

It's allows you to give limited permission to the Operator to do operations from the settings on behalf of Admin.

Click the check box to enable permission to operator



11.5.9. Tare

It allows you to turn ON/OFF tare operations.

Tare OFF settings will be turned off all tare operations by pressing Tare key

11.5.10. Touch sound

It allows you to turn ON/OFF tare operations.

Touch sound OFF settings,the sound of operations can not be heard

11.5.11. ACC Min Weight

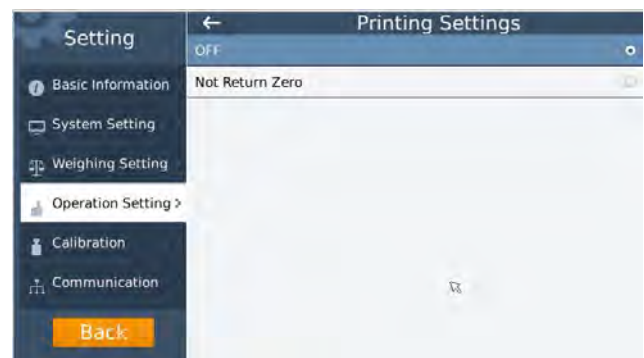
Select Operation Settings ->ACC Min Weight.It can select ACC MinWeight from 2d to 20d

11.5.12. Printing limit Setting

Select Operation Settings ->Printing limit setting.

Select not return zero option,place load on the platform, press save key,the data can be accumulate and print automatically.

Select OFF option,place load on the platform,you should remove the load,press save key ,the data can be accumulated and print automatically when return zero.



11.5.13. Decimal separator

Select Operation Settings ->Decimal Separator

Decimal separator option could be turned on/off
The decimal separator can be show when the value digits exceed 3 digits.



ON, the weight displays 1,484g

重量: 1,484 g

OFF, the weight displays 1484g

重量: 1484 g

11.5.14. Not Stable Printing

Select Operation Settings ->Not Stable Printing

If select not stable printing option,when scale unstable,the data could also be print

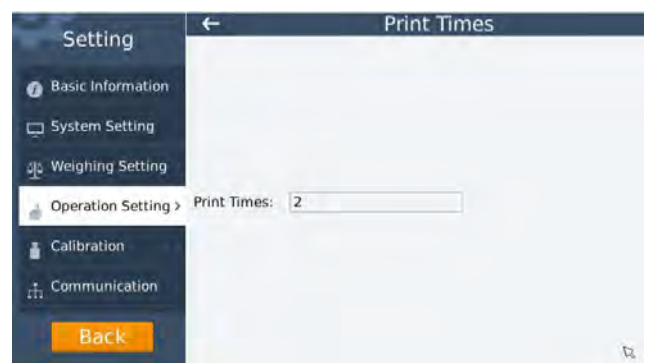
Select OFF option,the data should be print when scale stable

11.5.15. Print times

Select Operation Settings ->Print times

It allowed to connected with printer,

if input 2 print times from keyboard,after finish weighing or counting operation ,press print key,the printer will be printed 2 times

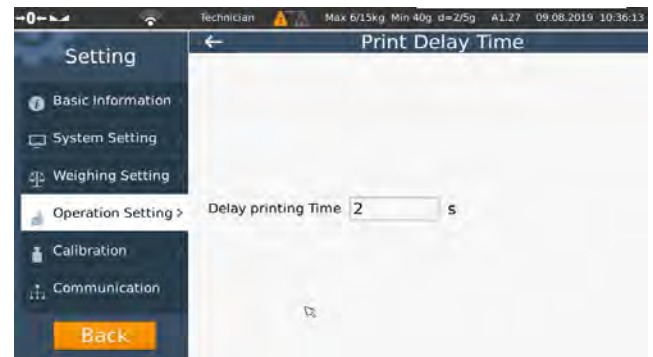


11.5.16 Printing Delay Time

This scale can be set to prolong the printing time, need to connect the printer.

When input takes 2 seconds to print, when weighing or counting is in progress

When the printing key is pressed, the corresponding bill can be printed 2 seconds later.

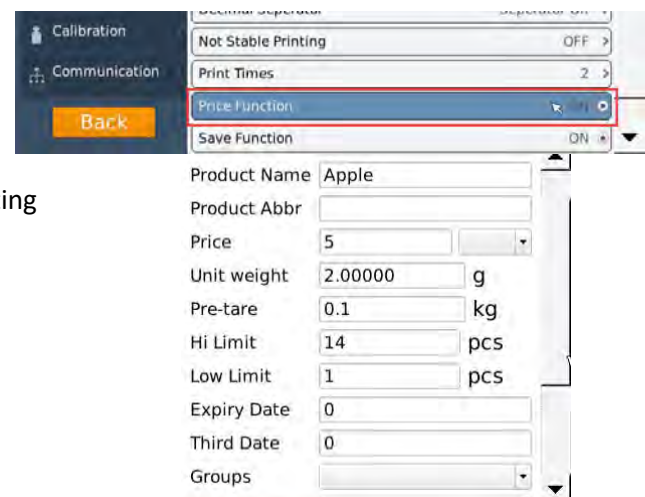


11.5.17. Price function

Select Operation Settings ->Price function

If select price function on,the price and expiry date .ect of ID settings should be filled in

Select OFF option,the ID settings will be show normal setting

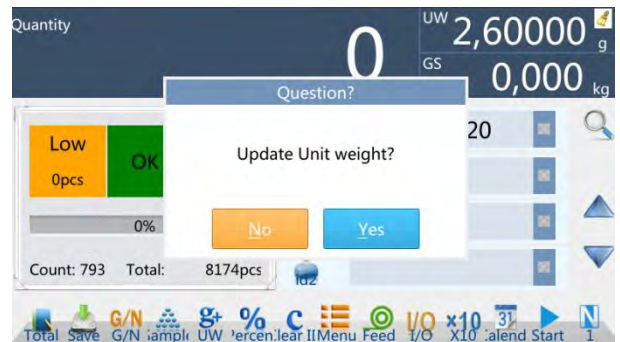


11.5.18. Save function

Select Operation Settings -> Save function

It allows to turn on/off save function,

On, when update the unit weight, the display will show a question dialog, and the new unit weight value will replace the old unit weight value of the original product.



Off, when update the unit weight, the display will not show a question dialog, and the unit weight value of the original product will not be changed.

11.5.19. Special DateTime

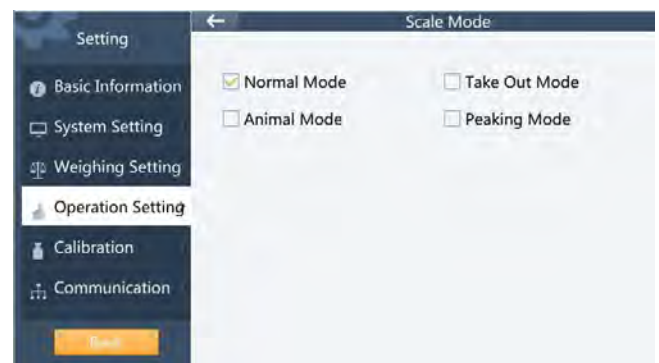
Optionally turn on or off. This date format is displayed on the print format.

Open: Date format is 20xxxxxx xxxx

Close: Date format is 20xx/xx/xx xx:xx

11.5.20 Scale Mode

The Scale mode has 4 modes, Normal mode, Animal scale mode, Take out mode and peaking mode, for more information, please see operation



11.5.21. Print seconds

Open or close seconds in print time

Open: seconds appear on the total interface and print format

Close: No seconds appear on the total interface and print format

11.5.22. Menus switch

Check the key to be displayed in the screen menu

Check: The selected button will be displayed below the screen.

Unchecked: This button will not be displayed at the bottom of the screen.

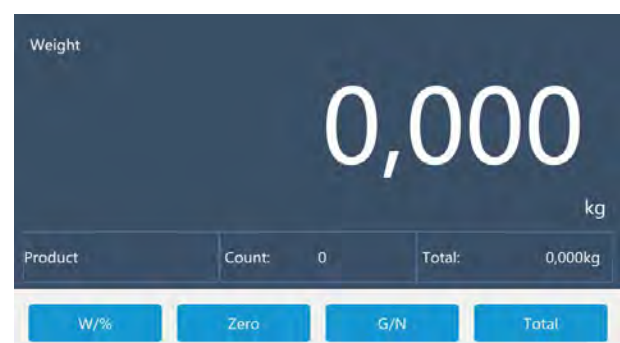
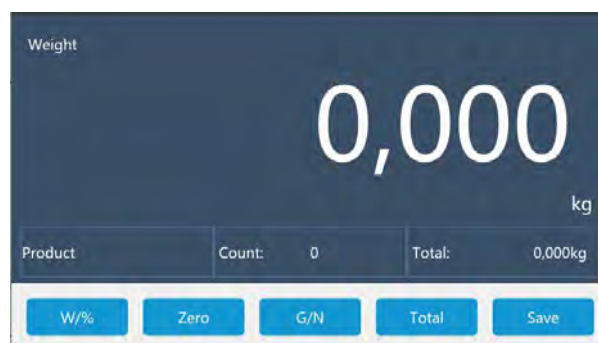
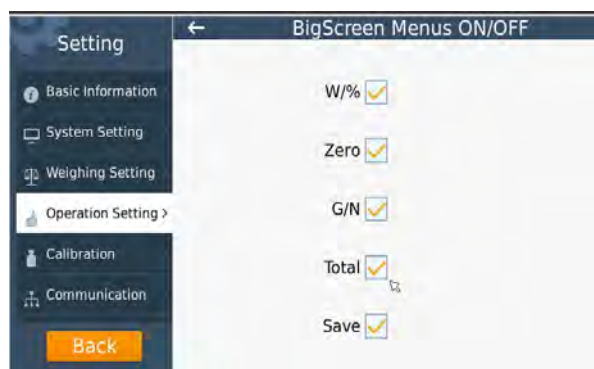


11.5.23 BigScreen menu ON/OFF

Check the keys to be displayed in the large screen menu

Check: The selected button will be displayed below the full screen.

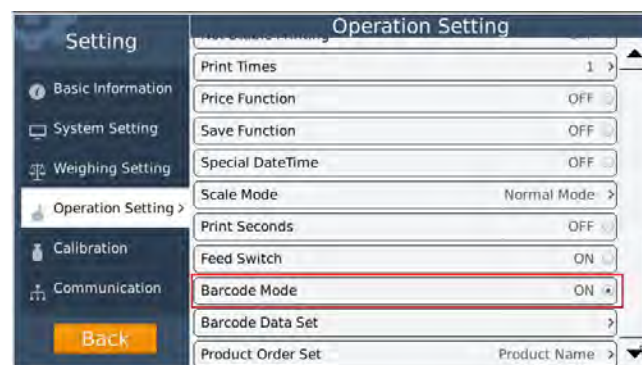
Unchecked: This button will not be displayed below the full screen



11.5.24. Barcode mode

1) Barcode Mode

Barcode Mode must be “ON” for ID’s
barcode Data Set operation



2) ID's barcode data set Operation

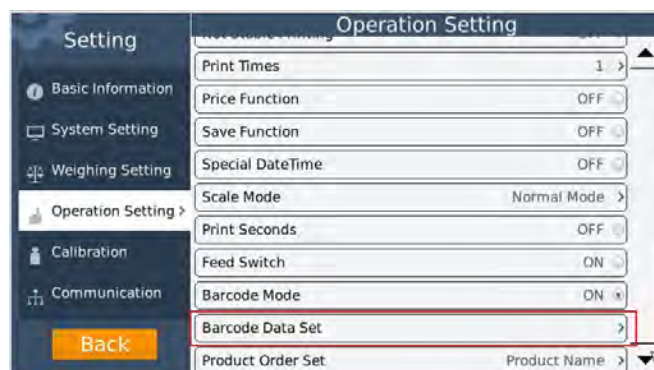
2.1) Barcode Data:

Example: Length of barcode: 13 digit barcode



Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12

2.2) Operation Setting > barcode data set.



Input Length of Barcode: used to set to barcode length

Start bit: used to enter start bit of the barcode

Data length: used to enter each id's required length of the code.

PS: total “data length” must be same as the “Length of barcode”

2.3) Code Settings on ID's

a) **Product Code:** Start bit: 0 and data length 4, Enter 4 digits of the barcode from the start bit 0

Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12

b) Client: Start bit: 0 and data length 0, **N.A**

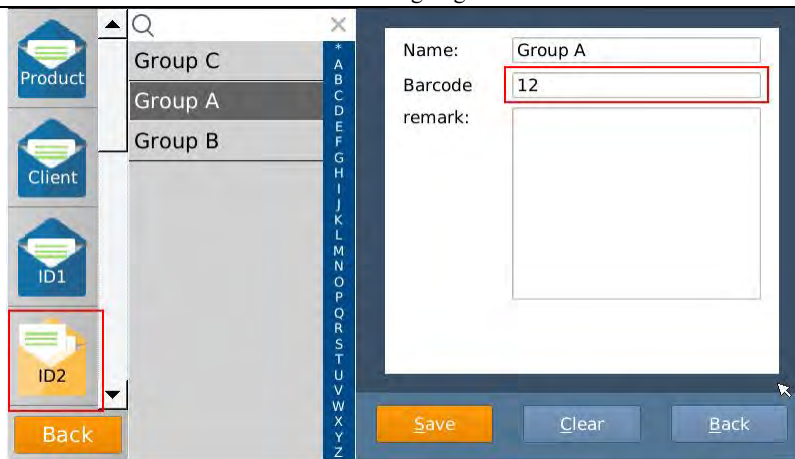
Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12

c) ID1: Start bit: 4 and data length 3, Enter 3 digits of the barcode from the start bit 4

Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12

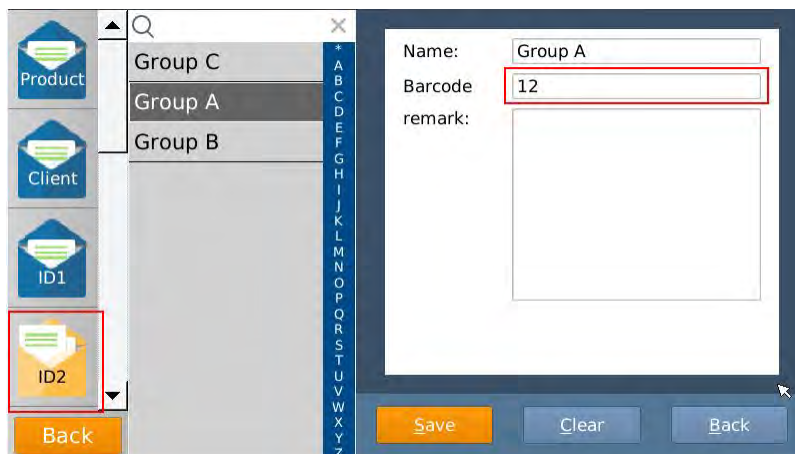
d) ID2: Start bit: 7 and data length 2, Enter 2 digits of the barcode from the start bit 7

Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12



e) **ID3:** Start bit: 9 and data length 4, Enter 4 digits of the barcode from the start bit 9

Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
Start Bit	0	1	2	3	4	5	6	7	8	9	10	11	12



2.4) Barcode Scanning.

By using a barcode scanner allowed scan the barcode

Barcode	5	9	0	1	2	3	4	1	2	3	4	5	7
---------	---	---	---	---	---	---	---	---	---	---	---	---	---

and display would show the assigned ID's automatically.

3) Trace Group data setting and Operation

3.1) Adding T.Grp ID data.

ID NO	ID Name	Active	Require
1	Pack:	☒	☒
2	Recei:	☒	☒
3	Code:	☒	☒
4	Ingri:	☒	☒
5	Batch:	☒	☒
6	Grp:	☒	☒
7	Opr:	☒	☒
8	Cart:	☒	☒

Group name: Used to set the Trace Group Name

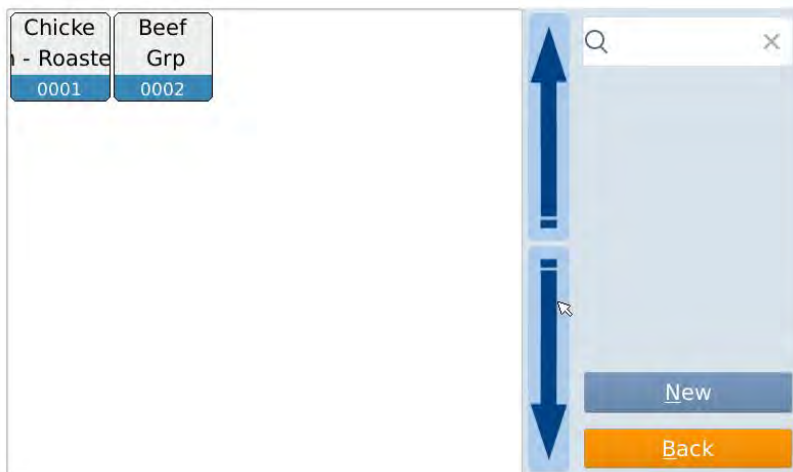
ID name: used to set the ID's folder name for the each group name.

Active: Used to set the ID enable

Require: used to set to assign ID. If doesn't set, display will prompt for complete to choose the ID

3.2) Adding Product name with T.Grp and Id info Set.

By selecting “Select Group” could choose the T.Grp name from the list



By selecting “ID info Set” could assign ID names from the each ID list



3.4) Select a product assigned with Trace group and pre-set ID's.

Select a product name with assigned trace group. All preset ID would be show on the assigned ID fields.



If the assigned ID don't have the data, it will prompt a message to choose the assigned ID



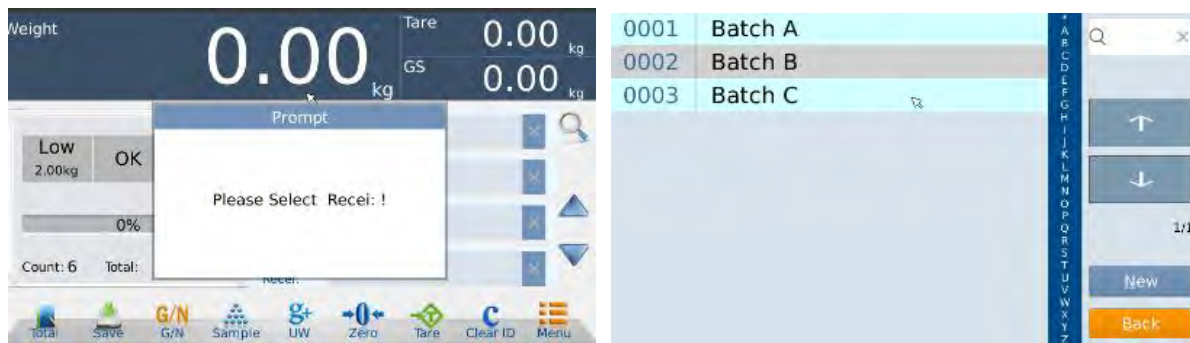
Must be fill up “*” marked ID fields for save/print weightments. If not, display would be prompt a message for entering “*” marked ID fields.



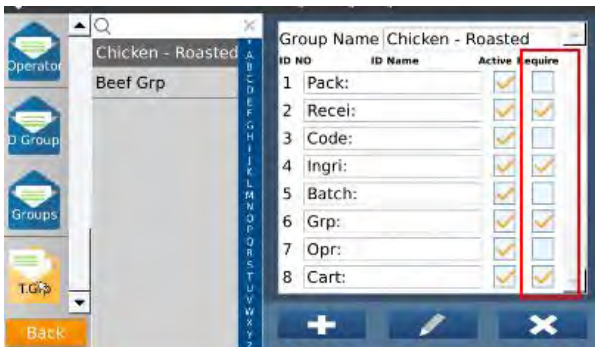
3.5) Select a product assigned with Trace group without selecting ID info



By choosing a product would prompt and open ID names window automatically, and follow to complete to enter all remaining ID fields.



PS: must be select "Require" fields of the T.Grp category names for prompt display and open ID names window automatically.

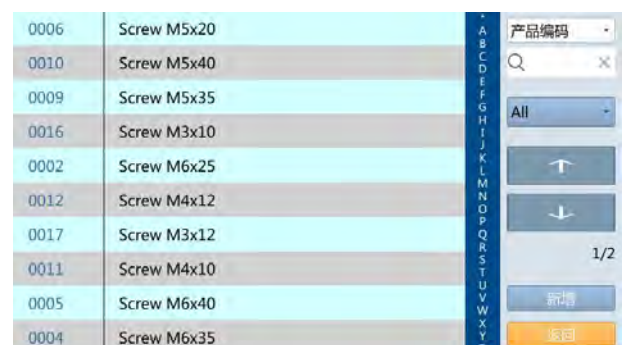
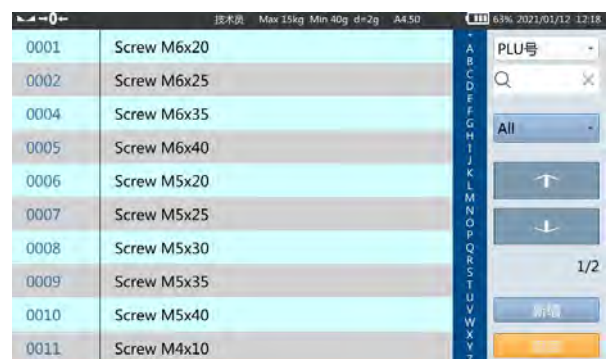


11.5.25 Product order set

Product inquiry settings, you can choose to search products by product serial number, product name, product code,

Search by product serial number

Search by product number



Search by product code

Search by product name

0016	Screw M3x10
0017	Screw M3x12
0011	Screw M4x10
0012	Screw M4x12
0013	Screw M4x16
0014	Screw M4x20
0015	Screw M4x30
0006	Screw M5x20
0007	Screw M5x25
0008	Screw M5x30

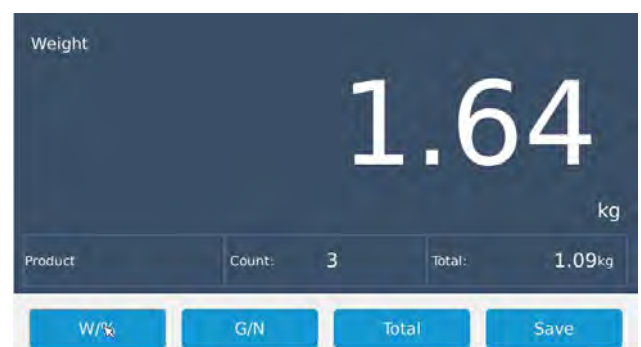
11.5.26. Percentage Function

It allows you to do percentage weighing, select percentage function on, then back to the normal weighing mode, the

percent symbol will be show 

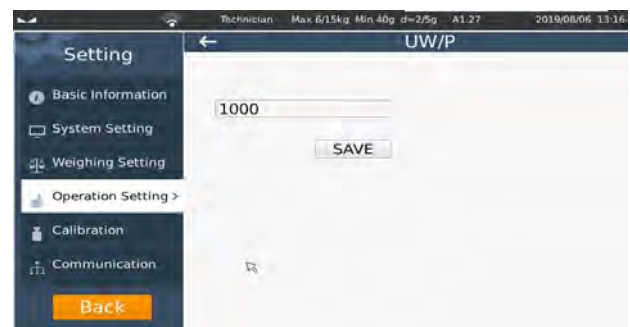
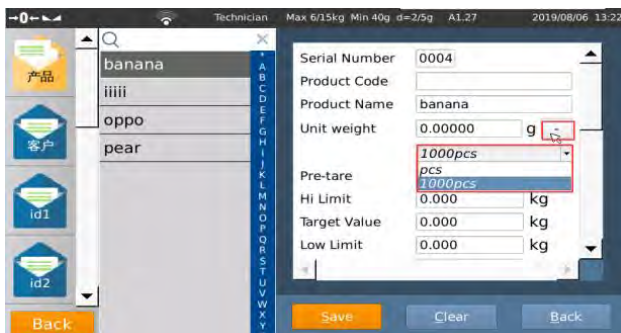
Load weight on the pan, Touch weight window to show full screen, press  key to switch percentage

value or weight value. Hold  key to exit percentage mode and back to normal weighing mode.



11.5.27 UW/P settings

Enter the corresponding UW/P value, and then edit and select the product interface in ID settings after single Save.



11.5.28 Log condition

Set the storage condition options in the checking and counting states.

ALL weight: It can be saved in all states.

Within Range: It can only be saved in OK state, but not in other modes.

Under Range: It can only be saved in the lower limit state, but not in other modes.

Over Range: It can only be saved in the upper limit state, but not in other modes.

11.5.29 Auto Multi-Tare

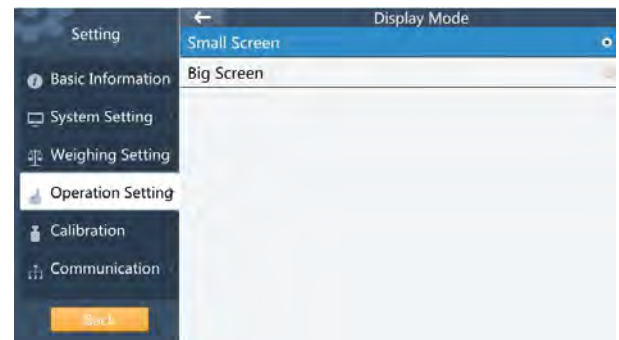
Open or close the automatic buckle weight.

Open: If you put the weight on the scale, click Save and the current weight will be automatically deducted.

Close: No automatic weightlifting.

11.5.30 Display mode

Set the operating display to automatically enter the large screen or small screen display.

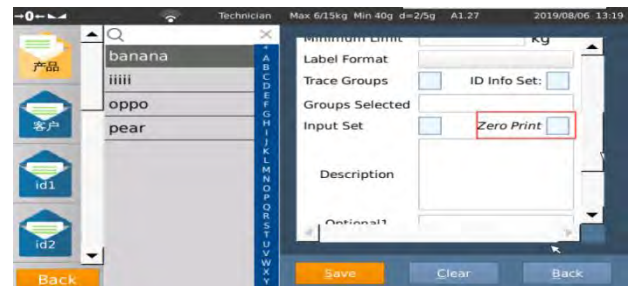


11.5.31 Print Zero

Set the state of the scale to print at zero weight. (Note: Choose Zero Print in the product)

1 PCS: When selecting 1 PCS, after checking Zero Print for the product in the ID setting, the scale will print according to 1 PCS when there is no weight.

Close: Scales do not print when they are weightless.



11.5.32 UI Select

Set the UI interface displayed on the scale as standard mode or ID mode or picture mode

Default mode: Normal display interface, upper and lower limit display.



ID mode: it can display more ID information, no upper and lower bounds of the display



Picture Mode

The picture of product can be add to left side of UI



11.5.33 Tare Mode

Default tare mode, loading weight, click [tare] key, net weight window shows 0, remove weight, net weight window shows negative value.

Return to zero after tare: load weight, click [tare] key, net weight window shows 0, remove weight, all windows show 0.

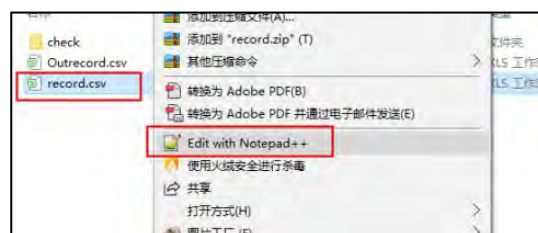
11.5.34 Delete Data From Report

Delete data from the report: click [total] to view weighing records, click [delete] delete weighing records, the data in the report will also be cleared, **once deleted ,the data can not be recovered, please be careful to operate, and properly save the data.**

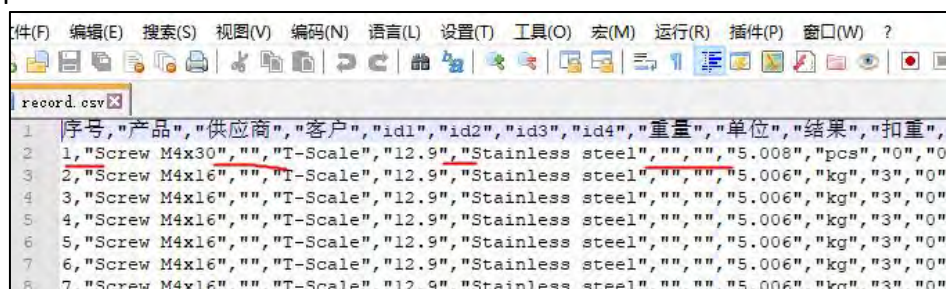
Default: click [Total] to view the weighing record, click [Delete] to delete the weighing record, the data in the report will not be cleared.

11.5.35 CSV separator

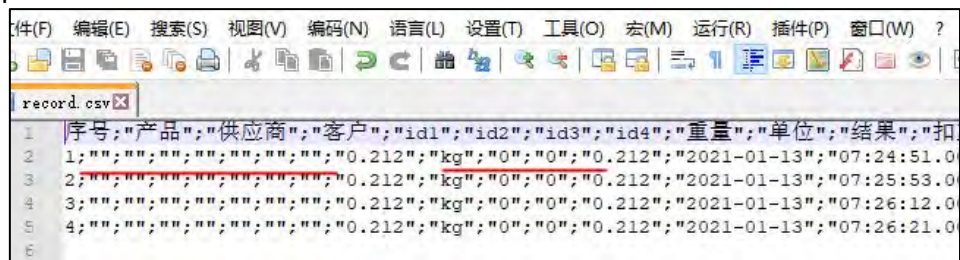
Used to select the delimiter of the exported CSV file in [,] or[;] format.it required to checked with "Edit with Notepad++"



If select[,] as shown in the picture.



If select[,] as shown in the picture.



11.5.36 ID Disable

ON: In normal weighing mode, when recall PLU, the ID property setting content can not be modified, only can view the PLU information.

Once set ID disable, scale will be start to self-checking and come to normal weighing mode.

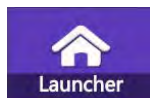


OFF: In normal weighing mode, when recall PLU, the ID property setting content can be modified



12.LAUNCHER

[LAUNCHER] is the boot program between a system program and an application program, it can be used to configure system-related settings,application program updating,ect.



Click **Launcher** key in the main menu to enter launcher program



	My application		SW40 industrial application
			Install application
	System Information		
	System Setting		Network setting
			Touch screen setting
			VNC setting
			Date and Time setting
			Brightness of display setting
			USB setting
			Power OFF
	Technical Tool		N.A
			N.A
			N.A
			N.A

			N.A
			Run script
			N.A

12.1 Application

Click  key to enter SW40 application

Open application: To enter application program

Close application: Close the current application

Set as default: Set the SW40 application as default

Uninstall: Uninstall the application program



12.2 Install application program

- 1 Deposit the software to be updated in the root directory of the U disk
- 2 Insert U disk into the USB interface;
- 3 Click [Scan] to update the software, where a progress bar appears on the screen;
- 4 Once finished software updating, scale will be start to self-checking

Note: When update to new software, the database will be cleared, please backup the database.



12.3 System Information

Click  key to view system version

Storage space remain、Front display Resolution, ect.



12.4 Touch screen setting

If the touch screen positioning is not accurate, touch screen correction can be carried out through touch screen setting.

Click  key to enter the setting

Drawing Test: Draw in touch screen

Clear: clear the drawing

Quit: Exit the touch screen setting

4-Point Calibration: Calibrate in 4 point

9-Point Calibration: Calibrate in 9 point

25-Point Calibration: Calibrate in 25 point

【】 : Back to Boot setting



Touch screen correction, the screen will appear positioning point, in succession hold the point until complete the calibration.

12.5 VNC Setting

The scale support to be remote control by VNC software, it's required to turn on VNC function in advance

Enable VNC: Open VNC

Disable VNC: Close VNC

Both Displays: Front and rear display can be remote control

Front Display Only: Only front display can be remote control

Enable Password: It's required password when log in VNC

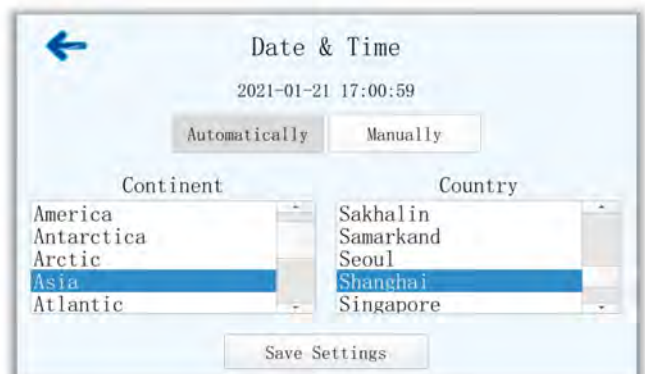
Disable Password: There is no need to enter Password when log in VNC

【】 : Back to Boot setting



12.6 Date and Time Setting

It allows to update the date and time of scale manually and automatically

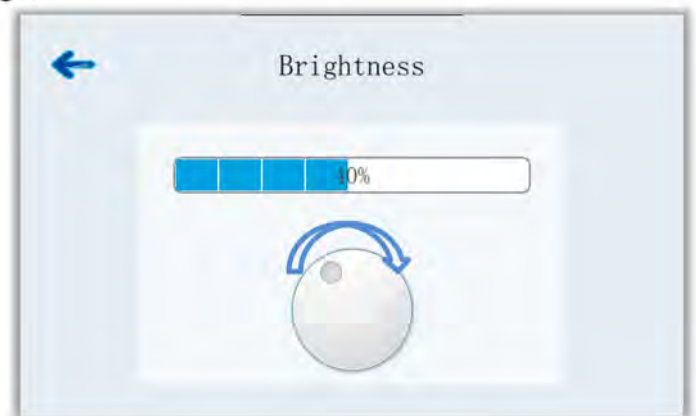


- 1 Press [Manually] to enter date and time setting
 - 2 In succession press up and down arrow keys to change the date and time
 - 3 Press [save settings] to confirm
- 1 Press [Automatically] to select continent And country
 - 2 Press [save settings] to confirm
- Note: To enable automatically update date and time, It should be connected network

12.7 Brightness Setting



Press  to enter brightness, Hold the button to rotate and adjust the brightness, and the progress bar on the screen will be follow to change.



12.8 Network Setting



Click  to enter network setting, it include Ethernet and Wireless network.

WLAN connection



Click  to enter wireless network setting

Wlan option allows you to connect to Wifi network, it can search the wifi network and connect to communicate.



Wi-Fi Settings		Remarks
Auto Manual	Connection DHCP/setting	Used to set to DHCP / or manual setting
IP Address	192.168.010.100	Local IP address - Should be in 4 groups and each groups should have 3 digits. Value should not be More than 255
Subnet Mask	255.255.255.0	Used to set the subnet mask. Sub netting is used to break the network into smaller, more efficient subnets to prevent excessive rates of Ethernet packet collision in a large network
Gateway	192.168.010.001	Used to enter the default gateway address as per the network requirement
DNS	192.168.010.002	Used to enter the primary DNS as per the network requirement
Scan	Refresh Network	Used to set to refresh available networks
Connect	Select the network to be connected ,click connect key to confirm	

Wireless connection operation:

- 1 Click the "Menu" button on the sales interface to enter the main page;
- 2 Click **【Launcher】** > **【setting】** > **【Network】** to enter network setting
- 3 The available networks will be display;
- 4 Click the wireless network as you desired and input the password;
- 5 Click “connect” key to confirm;
- 6 Select setting >communication> wlan, the IP address will be displayed,and the WIFI indication will be on

Ethernet Connection



Click  to enter Ethernet connection,

Ethernet Configuration

IPv4 Address:

Subnet Mask:

DNS:

Gateway:

Username:

Password:

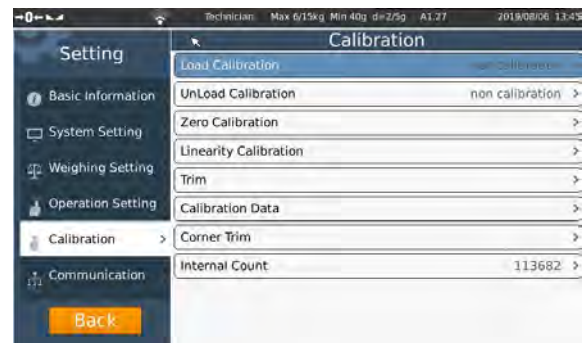
The setting required for Ethernet network interface with PC application software.		
Settings for Ethernet option		Remarks
Connection type	DHCP/Setting	Used to set to DHCP / or manual setting
IP Address	192.168.010.100	Local IP address - Should be in 4 groups and each groups should have 3 digits. Value should not be More than 255
Subnet Mask	255.255.255.0	Used to set the subnet mask. Sub netting is used to break the network into smaller, more efficient subnets to prevent excessive rates of Ethernet packet collision in a large network
Gateway	192.168.010.001	Used to enter the default gateway address as per the network requirement
DNS	192.168.010.002	Used to enter the primary DNS as per the network requirement
Personal Enterprise	Personal network Enterprise network	

Operation:

1. Make connection the scale with computer or router by using RJ45 Ethernet cable
2. Select [Launcher]>[setting] > [Network] option;
3. Click DHCP (obtain IP address automatically);
4. Click [connect]key to confirm
5. Select setting >communication> wlan, the IP address will be displayed.

13. CALIBRATION

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



Note: It's required to use "Technician" password to access calibration settings. Default Tech Password: 000000

13.1. Load Calibration

Normal Span Calibration

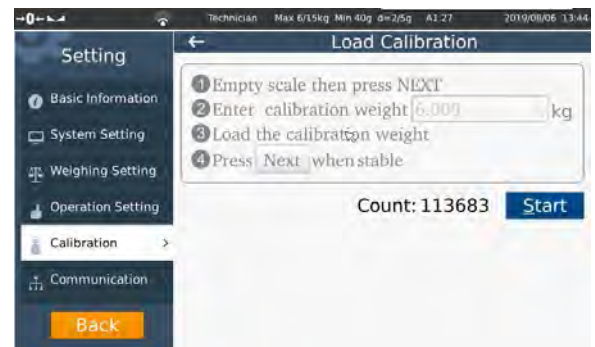
Press Start key to for calibration and follow the enabled steps.

1: Empty scale then press NEXT key option,

Keep empty platform and ensure, display showing zero.

Press NEXT key,

Display will be show **2: Enter Calibration weight xxxxxx kg**



Previous calibration weight value will be blink and On-Screen numeric key board will be displayed to enter weight, Input calibration weight value and press OK option to confirm.

Press NEXT key,

Display will be show **3: Load Calibration Weight**

Place the load on the platform as per entered the calibration weight value.

Press NEXT key,

Display will be show **4: Press NEXT when stable**

Wait to display stable indication and Press NEXT key,

Display will be show

PASS xxxxxx (weight value) END

Next Cal Reminder

If want to remind next calibration date, click the cal reminder box to enable next calibration date option. It will remind when its reach due date while initial startup.

Note: If its show, FAIL, Please Start again

Please check the internal counts, if counts increasing correctly, do the calibration again.

13.2. UnLoad Calibration

It can use a load weight to calibrate, when its loaded standard weights or known weight.

Press Start key and follow the enabled steps.

1: : Enter Calibration weight xxxxxx kg

Previous calibration weight value will be blink and

On-Screen numeric key board will be displayed to enter weight, Input calibration weight value and press OK option to confirm.

Press NEXT key, Display will be show

2: Press NEXT when stable

Wait to display stable indication and press NEXT key,

Display will be show **3: Empty Scale**

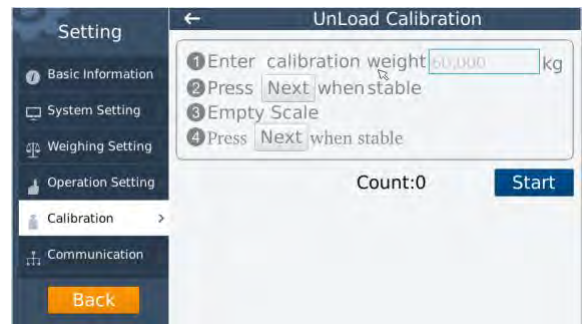
Un load weights from the platform and press NEXT key,

Display will be show **4: Press NEXT when stable**

Wait to display stable indication and press NEXT key,

Display will be show

PASS xxxxxx (weight value) END



Next Cal Reminder

If want to remind next calibration date, click the Cal reminder box to enable next calibration date option. It will remind when its reach due date while initial startup.

If its show, FAIL, Please Start again

Please do the calibration again.

13.3. Zero Calibration

Press Start key and follow the enabled steps

1: Empty Scale

Un load weights from the platform and press NEXT key,

Display will be show

2: Press NEXT when stable

Wait to display stable indication and press Press NEXT key,

Display will be show

PASS

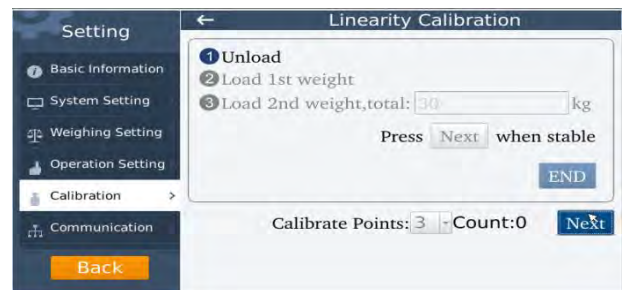
END



13.4. Linearity Calibration

Select Calibrate Points: 3 / 4.

If its select 3, calibration points will be 3 and if its select 4, calibration points will be 4



Press Start key and follow the enabled steps

1: Unload Press NEXT when stable

Keep empty platform and wait to display stable indication and press NEXT key,

Display will be show

2: Load 1st weight, press NEXT when stable

Load weight on the platform. Press NEXT key,

Display will be show

3: Load 2nd weight, Total xxxxxx kg Press NEXT when stable

Add weight again, total weight should be higher than previous step and enter the total weight value into the xxxx provided area and press Next key to confirm

Display will be show

PASS

END

13.5. Trim

U8 Indicator can be adjust by using a known weight.

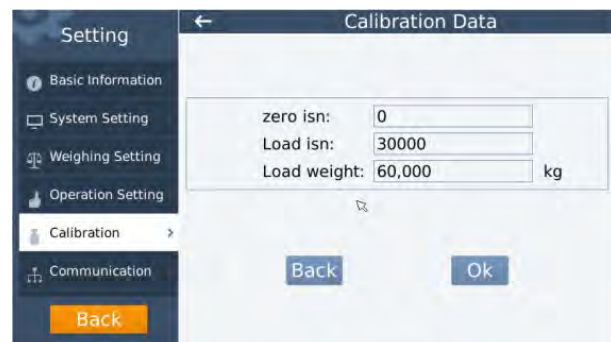
Load a known weight to adjust the scale weight, and adjust + / - to get the known weight as per loaded and press Save / Calc key to confirm.

Weight will be save as per the Target Weight display.



13.6. Calibration Data

It can view last calibration data.



13.7. Corner Trim

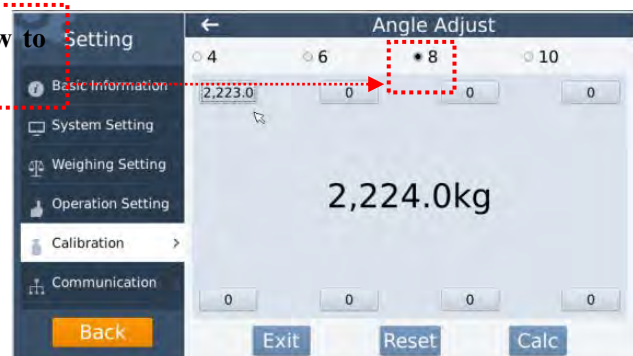
Select total number of load cells, display will be show accordingly number of load cell counts window.

It will be show windows to show each load cell position weight.

Selected for 8 load cell, display followed to 8 windows



Press load cell count window to get the data



Press all load cell count window to get the data and can check which load cell data is not acceptable / error.

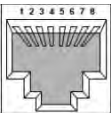


Note: Analog Corner Trim function only can view load cell data to check which load cell data is not acceptable or error.

14.COMMUNICATION

14.1 General

Device has the RJ45, RJ11, USB, RS232, Wi-Fi interface options for meeting different communication needs.

Type	Connector	Speed	Distance	Device
RS-232C	9Pin Connector	115200bps	Max 15m	PC, Printer
Ethernet	RJ-45 Connector 	100Mbps (100 Base-T)	Max 100m	PC, Router, Scale
Wireless	Wi-Fi 	150Mbps IEEE 802.11n	Max 50m	PC, Router, Scale
USB	USB A-Type Connector 	115200bps	Max 15m	External USB storage, Mouse, Key board, Barcode Scanner

14.2 RS232 wire connection

14.2.1. Specifications

Communication > Com1

Mode (COM1)	OFF		Com port turned off
	Print		Used to select the printer to be connected
	Continue	Normal	Used to set to continues weighing data output
		D800	D800 protocol
		Extended	Extended protocol
		Langke	Langke protocol
		Vishay	Vishay protocol
	ASK		ASK Command W Read data T Tare Z Zero
	Stable		Send stable data one time
YHL-3		YHL-3 protocol	
Baud rate	600 ~1500000		Used to set the Baud Rate,default is 115200bps
Data Bits	6,7,8		Used to set the Data Bits,default is 8
Stop Bits	1 or 2		Used to set the stop bits ,default is 1

Communication > Com2

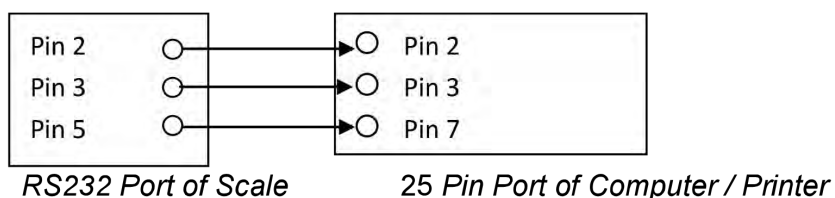
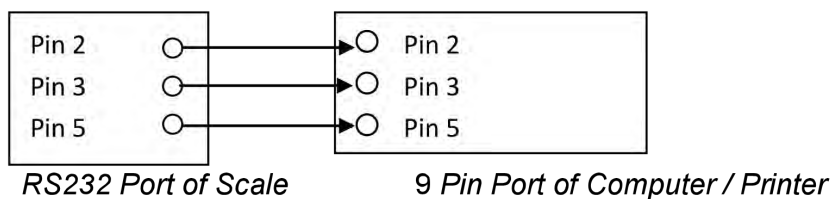
Mode (COM2)	OFF		Com port turned off
	Print		Used to select the printer to be connected
	Continue	Normal	Used to set to continues weighing data output
		D800	D800 protocol
		Extended	Extended protocol
		Langke	Langke protocol
		Vishay	Vishay protocol
	ASK		ASK Command W Read data T Tare Z Zero
	Stable		Send stable data one time
	YHL-3		YHL-3 protocol
Baud rate	600 ~1500000		Used to set the Baud Rate,default is 115200bps
Data Bits	6,7,8		Used to set the Data Bits,default is 8
Stop Bits	1 or 2		Used to set the stop bits ,default is 1
Interface	RS232		Used to select the interface as per your request
	RS422		
	RS485		

14.2.2. RS-232 (DB9 type connector)

Pin 2	RXD	Input	Receiving data
Pin 3	TXD	Output	Transmission data
Pin 5	GND	—	Signal ground

9pin Connector:

Serial Interface: Scale – PC / Printer connection:



If not communicating, please interchange one of the connector Pin 2 and Pin 3 connections

14.2.3. Continues weight output

HEADER1: ST=STABLE , US=UNSTABLE

HEADER2: NT=NET , GS=GROSS

WEIGHING UNIT : KG

Stable data Communication

S	T	,	N	T	,	-/□									k	g	CR	LF
-HEADER1-			-HEADER2-			-WEIGHT DATA-									-WEIGHT UNIT-		TERMINATOR	

Unstable Data Communication

U	S	,	N	T	,	-/□									k	g	CR	LF
-HEADER1-			-HEADER2-			-WEIGHT DATA-									-WEIGHT UNIT-		TERMINATOR	

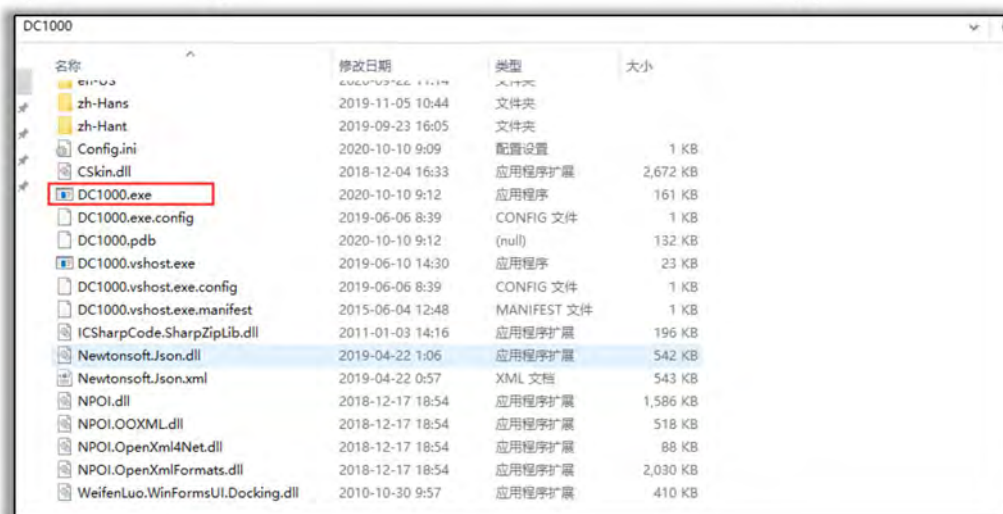
If select Mode to Print, Printer list want to select from the list for dot matrix printer/receipt printer/ label printer.

Mode of Printer	Printer Name / Remarks
epm205	T-Scale Built-in Ticket Printer*J7,X7,L10
os2130	Argox Label Printer OS-2130D, CP 2140,RP80VI Label Printer
rg88v	REGO Thermal Paper Printer; RG-P88V
pos76xx	SPRT Dot Matrix Printer; SP-POS76IV etc.
rp76	REGO Dot Matrix Printer; RG-P76IV
Epson_LQ300k	EPSON Dot Matrix Printer, LQ300/350
BL_F1182	T-Scale Built-in Label Printer *P10-60
ASCII	ASCII mode of Printers operations *T-Scale TPUP dot matrix printer, EPSON TMU Series, etc.
XP58_IMAGE	T-Scale Built-in Ticket Printer (*graphics command mode)*L10
LP2824	ZEBRA Label Printer; LP2824, LP2844, GC420t etc
EZ_1100Plus	GODEX Label Printer: EZ Series DT2/1100 etc.
Epson_LX310	EPSON Dot Matrix Printer; LX310/350 TVSE Classic Dot Matrix Printer (*Graphics command mode)
LX310_ASCII	EPSON Dot Matrix Printer; LX310/350 TVSE Classic Dot Matrix Printer (*ASCII command mode)
RG88V_LABEL	T-Scale Built-in Ticket Printer (*graphics command mode)*P 15
ZX1300I	GODEX Industrial Label Printer; ZX 1300i
RG88V_...KLABEL	REGO Thermal Paper Printer; RG-88V, (*graphics command mode),Print Label
RG88V_...ASCII	REGO Thermal Paper Printer; RG-P88V,(*ASCII command mode)
HP58	T-Scale Built-in Ticket Printer*JS7,TB10
ASCII_REGO	REGO Thermal Paper Printer(*ASCII command mode)
GP1124T	Gainscha Thermal Label Printer,GP1124T
EPSON_ESC_P2	EPSON Dot Matrix Printer
ZPL2	ZEBRA Label Printer;ZPL2

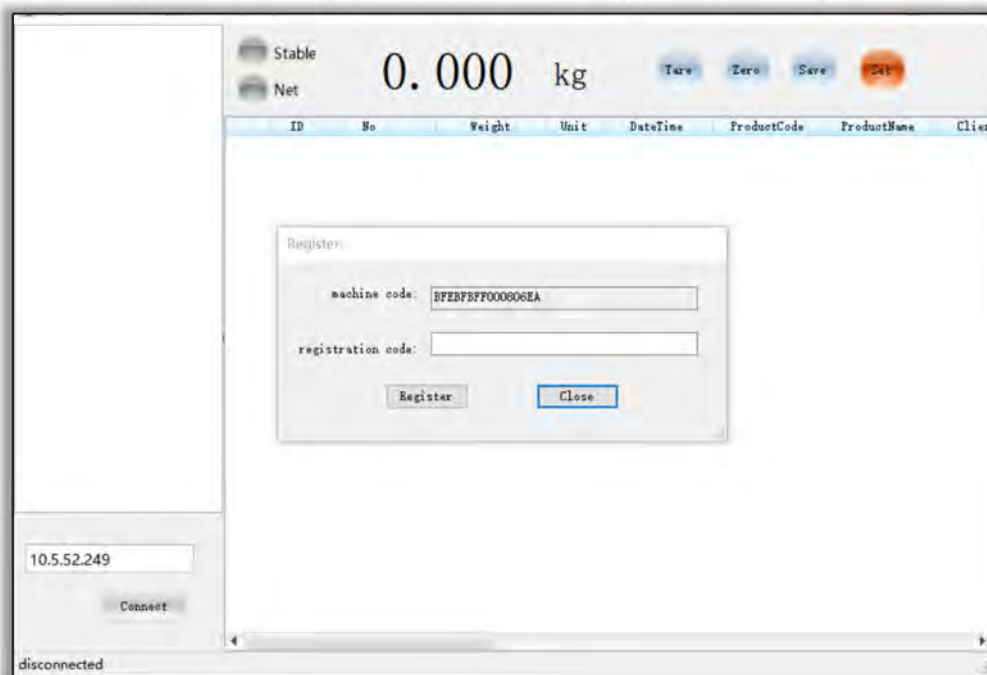
14.3 TCP remote server setting

It allows to connect scale with PC through the DC1000 back office software for data transmission. DC1000 back office management software could make the updates to scales with networking. User-friendly back office software allowing to save the weighing records and also can be used as ZERO&TARE key to remote control the scale.

- 1 Before running the software, make sure that the firewall in your PC is closed and the computer has been connected to the network.
- 2 Operating System: Windows XP or above.
- 3 Open TTC management file folder. Double click DC1000.exe application file.



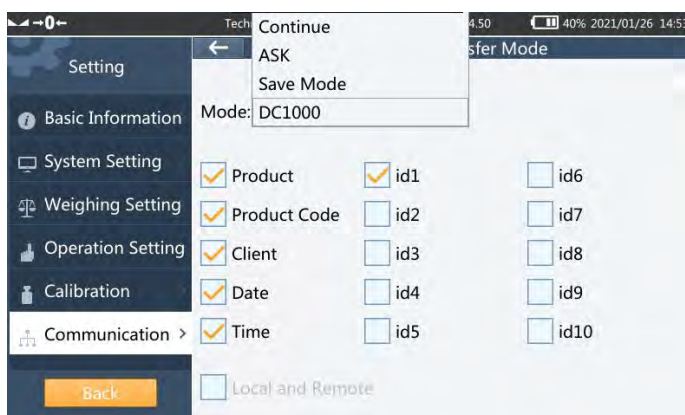
- 4 A register window pop up, and it will be asked to enter registration code, the code was provided by manufacture, for more information, please contact your dealer.



- 5 The IP address and port number will be show at top left corner of display, the default port number is 10251.

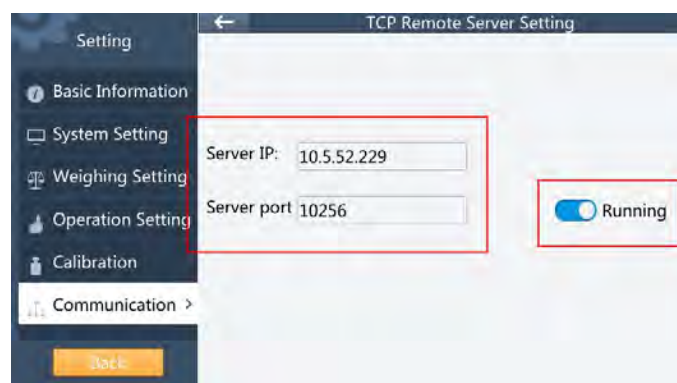


- 6 Connect the scale to network, For any Data transfer, the scale(s) and the computer running TTC must be in the same network.
- 7 Select "setting" in the main menu, select "communication">"data transfer mode">"DC1000" Check the content to be send.

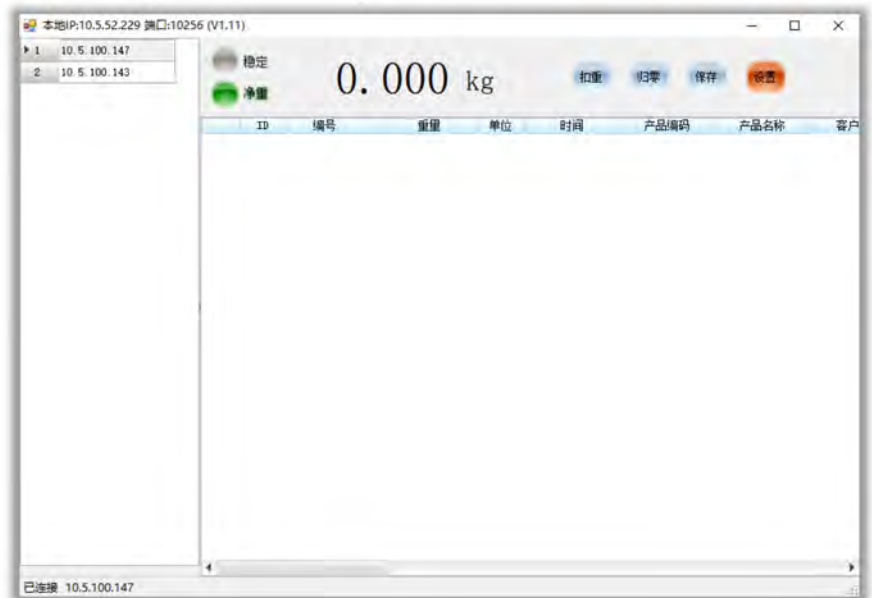


- 8 Select "communication" >"TCP Remote server setting"> to configure the server IP and port number as per DC1000 displayed, once completed, open the running button, exit setting menu and back to normal weighing mode.

Note: If wanted to select multiple scales, Each scale must be configured the server IP and port.



- 9 The IP address of scales has been connected will be appeared in the left side of DC1000 in 20 seconds later, select one of the IP address, wait a moment, the scale data can be transferred to computer.

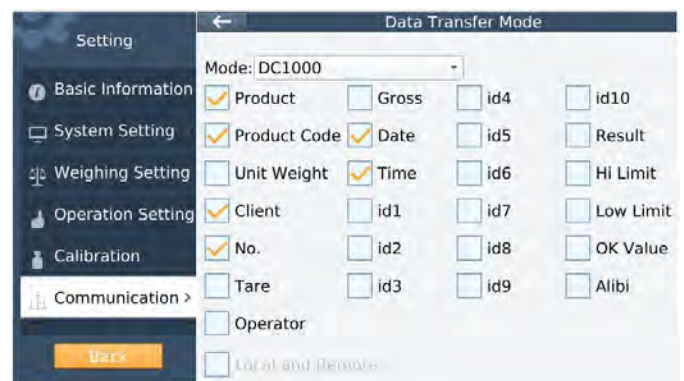


- 10 Load the weight on the platter, the weighing records could be transferred to DC1000.

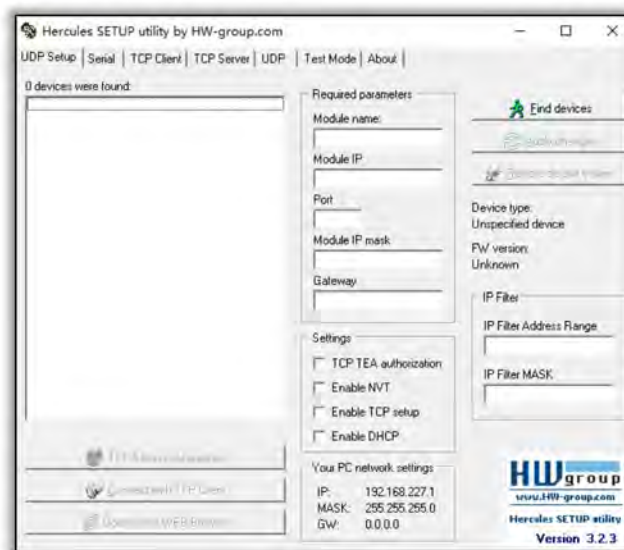


14.4 Data transfer mode

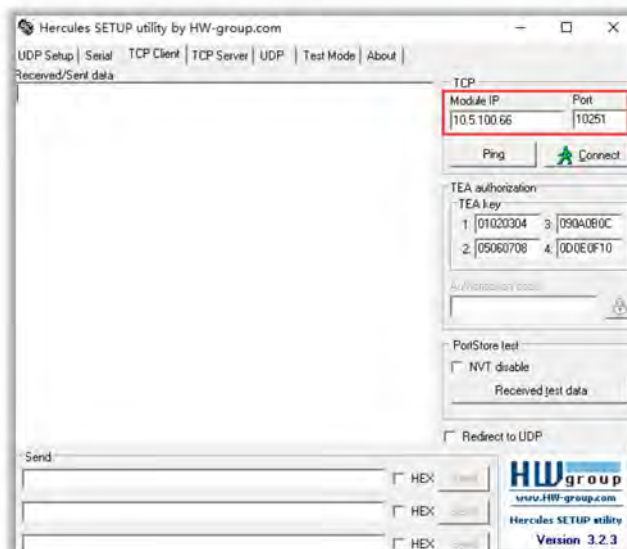
Data transfer mode contains continuous transmission, ASK mode, save mode, DC1000 mode, check the content to be transmitted. It's allows to connect to PC by using TCP/IP and the hercules_3-2-3

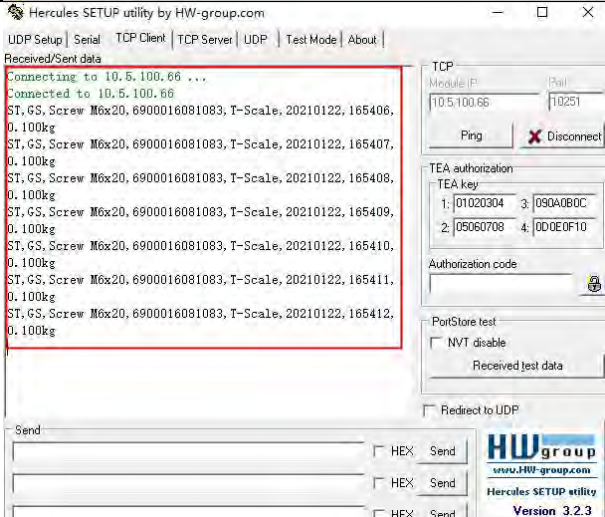
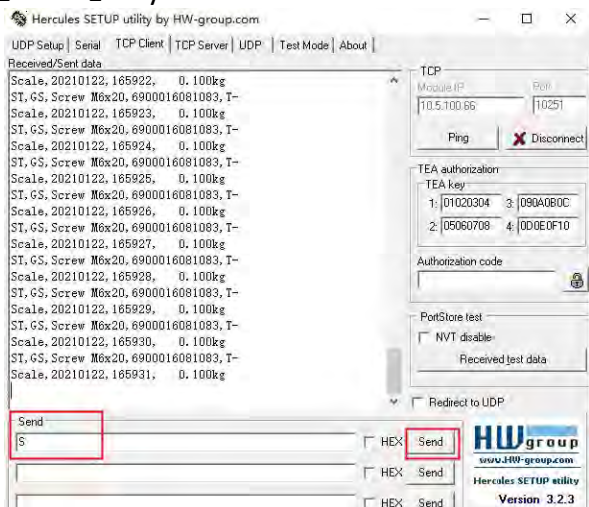
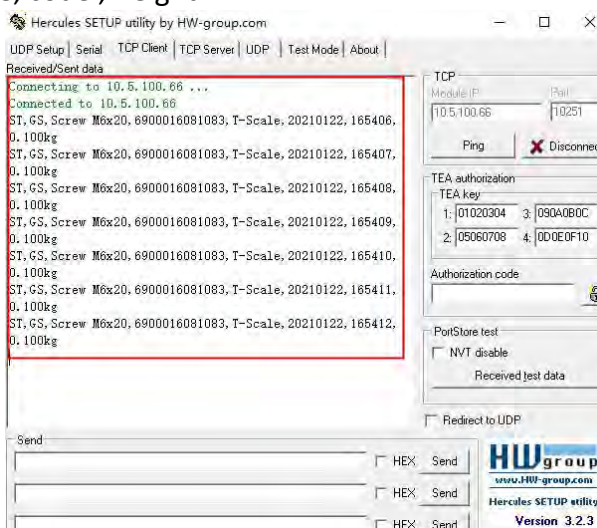


- 1 Double click  hercules_3-2-3.exe.



- 2 Click **【TCP Client】**
- 3 you may need to input Host address according to scale IP settings and Port Number 10251.



Continue	continues data will send to PC 
ASK	Input command 【S】 , click 【SEND】 key to transfer data 
Save	Get recording data when it's clicking SAVE from the HOME display. Data will be get "Product name,code ,Weight" 
DC1000	Transfer data with DC1000 , for more information,please see section 14.3TCP remote serve setting

14.5 RS485/RS422**1.Specification**

DB9 PIN	6	9	1	7
422	RX+	TX+	RX-	TX-
485	485+		485-	

2.Connection**RS422 to RS422**

RS422	TX+	TX-	RX+	RX-
RS422	RX+	RX-	TX+	TX-

RS422 to RS485

RS422	TX+	RX+	TX-	RX-
RS485	485+		485-	

15. TECHNICAL DATA

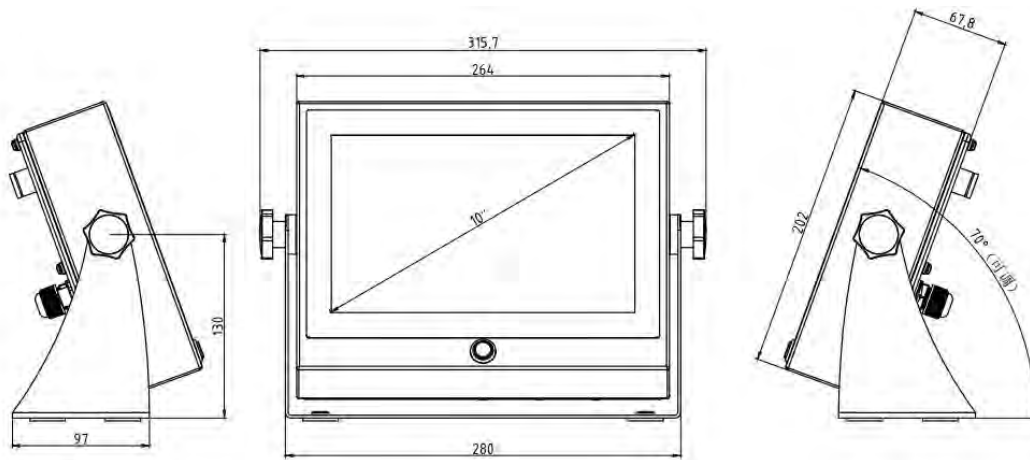
15.1 General Specification

Model	X10	X15		
Housing	ABS Plastic	Stainless steel	ABS Plastic	Stainless steel
Capacity	Free setting			
External Resolution	7500e; 2x7500e; 30000d			
Tare range	Max-1d			
AD Type	Sigma delta			
AD Speed	Max. 60 times/second			
Internal Counts	1,000,000			
Weighing Unit	kg, lb, t,oz,lz			
Calibration Unit	kg, lb			
Load Cell Excitation	5VDC			
Input Signal Range	0~20mv			
Zero Point Signal Range	0~5mv			
Load cell Sensitivity	1mv/v~3mv/v			
Minimum input impedance	43 ohm			
Maximum input impedance	1600 ohm			
Operation Temperature	-10~+40°C			
Operation Humidity	<85%			
Display	7" TFT LCD		10.1" TFT LCD	
Display resolution	800x480		1280x800	
Display H/V ratio	16:9			
Touch Control Mode	Resistance Touch Screen			
Communication Interface	1x RS-232; 1x RS-232; 1x RJ-45; 2xUSB; WIFI	1x RS-232; 1x RJ-45; 2xUSB; WIFI	1xRS-232; 1x RS-232; 1x RJ-45; 2xUSB; WIFI	2*RS232; 2*USB2.0;1*RJ45; WIFI; I/O in x 5; I/O out x 5
Optional	Second platform ; RS-422/RS-485	RS-422/RS-485	Second platform ; RS-422/RS-485	Second platform ; RS-422/RS-485
Operating System	Linux			
CPU	CORTEX A17			
RAM	1GB			
Data memory	16GB			
Power	Input:100-240VAC,Out put: DC12V/2500mA		Input:100-240VAC,Out put: DC12V/4000mA	Input:100-240VAC
Battery	7.4V/5200mAh lithium battery (Option)		N/A	

Specifications are subject to change without notice

Model X10-X15

315 (length) x 202 (width) x 68 (height)



16.MAINTENANCE

16.1 Preventive Maintenance

- 1 Switch off and unplug the device from the mains before cleaning.
- 2 Do not open the device during cleaning.
- 3 Make sure that no fluids get inside the device.
- 4 Do not use organic acid, alkaline solutions, scouring powders or plastic dissolving cleaning agents for cleaning.
- 5 Do not spray directly on the device.
- 6 Avoid strong pressure or scratching the surface with hard, sharp or pointed objects.

16.2 Cleaning housing

- 1 To clean device housing ,using a soft, clean cloth dampened with a mild cleaner or detergent and water.
- 2 After cleaning, plug the scale back into the mains and turn it on.

17.TROUBLE SHOOTING

17.1 Trouble shooting

Problem	Possible cause	Common solutions
Cannot turn on power	Mains power is turned off Power supply is not plugged in Power supply faulty Internal battery is not charged 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 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, Re calibrate 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.
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

17.2 Error Codes

Error Message	Description	Solution
ERROR 4	Zero setting error	Zero setting range exceeded due to switching on.(4%max) Make sure platform empty.
ERROR 6	A/D value out of range	Make sure platform empty and check the pan is installed proper. Check the load cell connectors.
Sample low	Percentage Error	Please check input data, must be > 0.5d
Unit weight low	Lack of unit weight	Check unit weight entry data, must be >0.1d
Sample low	Lack of sample	Check counting samples entry, must be >20d
ERROR 19	Initialize zero error	Calibration the scale.
--UL--	Under load	Minus weight, check the platform and restart or calibrate.
--OL--	Over range	Remove the load. Re calibrate
	Low battery indicator	Please charge the battery

The company was founded in Taiwan in 1967 as Taiwan Scale Mfg Co., Ltd in order to produce Mechanical Weighing Instrument. Today, this privately owned company is recognized worldwide as a leading Electronic Weighing Scale Manufacturer. The core business of Trúmax is the development, manufacture, worldwide sales/marketing and service of electronic weighing instruments.

The Trúmax products

- Medical Scale
- Counting Scale
- Tabletop Scale
- Retail Scale
- Precision Scale
- Platform Scale
- Weighing Indicator
- Crane Scale
- Floor and Pallet Scale
- Accessory
- Software

Trúmax has its manufacturing unit in Kunshan, China, ISO 9001 certified company, **OEM/ODM** partner, more than 20 products have **OIML** certifications from Holland's NMI and Denmark's Delta.

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