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TOUCH SCREEN INDICATOR

(AB - IN SERIES)



USER MANUAL

CATALOG

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I ABOUT THE SCALE

1.1 Specification

Model	Range	Division
AB-IN	Custom	Custom

1.2 Features

Stainless Steel Pan
Super 7 inch HD Touch panel display
RS232/RJ45/USB Interface
Mains adapter supplied as standard
Height adjustable feet
Internal Auto Calibration(Option)
Select able measure units: mg, g, oz, ct..
Memory for accumulated time

1.3 Applications

Weighing
Net weight / tare
Under weighing
Piece counting function
Density Test
Percentage Test
Check Weighing
Accumulative total
Output / Input
……

Ⅱ ABOUT THE WEIGHING MODE

2.1 Know Your Balance

Thank you for selecting the AB-IN Series. This Instruction Manual will guide you of the installation, accessories, trouble-shooting, after sales service information, general maintenance of the balance, etc. it will also guide you through the various applications. Please read this Manual thoroughly before starting the operations. If you need any clarifications, feel free to contact us.

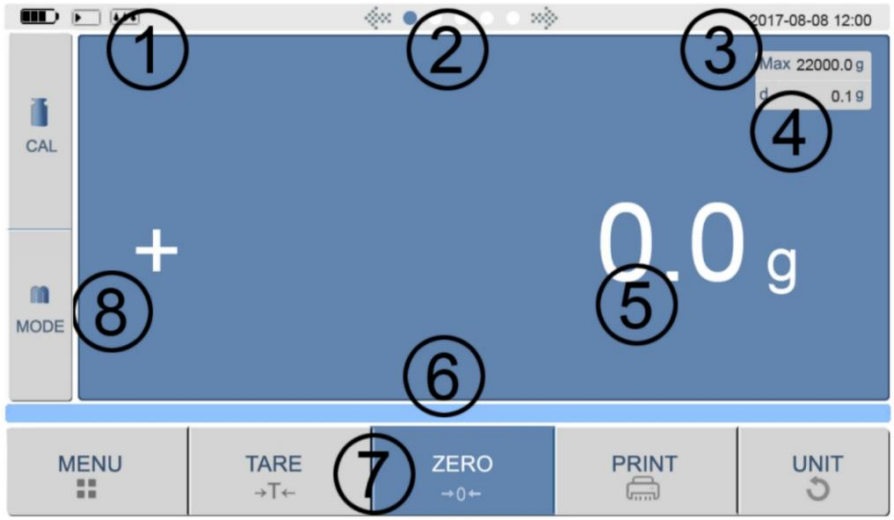
2.2 Weighing Mode

The AB-IN are ideal for laboratory and general purpose weighing. It is used for some advanced weighing functions.



WEIGHING: weighing the weight
CHECKING: Set the upper and lower limit and check the sample weight.
PECENTAGE: Compare the sample with standard sample.
COUTING: Count the sample number and total quantity
DENSITY: Testing the solid density value.

2.2.1 **WEIGHING**



1	Status Bar (Battery, Stable, Speed)
2	Weighing mode choose
3	Date and time
4	Capacity and resolution
5	Weighing value
6	Note color (blue mean normal, red means overload)
7	Key pad
8	Auxiliary tools(Calibration,Mode choose, Language)

The weighing function just use for weighing system.the sample weight will direct Showing in this page.and we can export the result in output and input page.

2.2.2 **CHECKING**



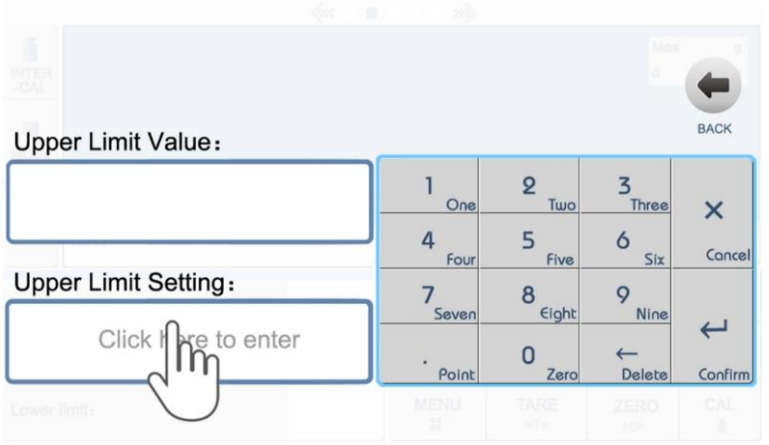
1	Status Bar (Battery, Stable, Speed)
2	Weighing mode choose
3	Date and time
4	Capacity and resolution
5	Weighing value
6	Note color (blue mean normal, red means overload)
7	Key pad
8	Auxiliary tools(Calibration,Mode choose, Language)
9	Tare weight: Put the container, press tare, the tare weight will show here.
10	G.W: Gross weight
11	Total weight and test number
12	Upper and Lower limit setting

Upper and Lower Setting:

Step 1: press the Upper or Lower digit.



Step 2: Press The Enter Input box.



Step 3: Enter the digit for upper limit. The lower limit use same steps.

2.2.3 **PERCENTAGE**



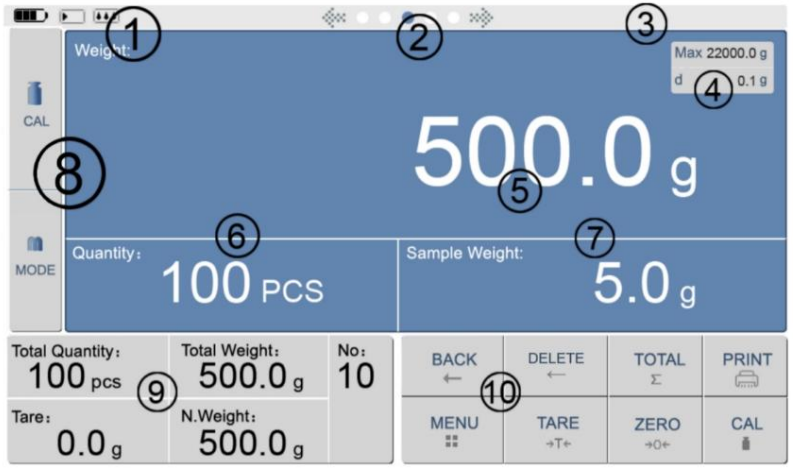
1	Status Bar (Battery, Stable, Speed)
2	Weighing mode choose
3	Date and time
4	100% Weight sample
5	XX% weight sample
6	Percentage
7	Note color (blue mean normal, red means overload)
8	Auxiliary tools(Calibration,Mode choose, Language)
9	Key pad
10	Confirm mark

Step 1: Press 100% then put on the weight, when it stable, press again It will mark a green square, so means 100% set success.

Step 2: Press XX% then put on the weight, when it go stable, press again It will mark a green square, so means xx% confirm.

Step 3: Press %, it will come out the result.

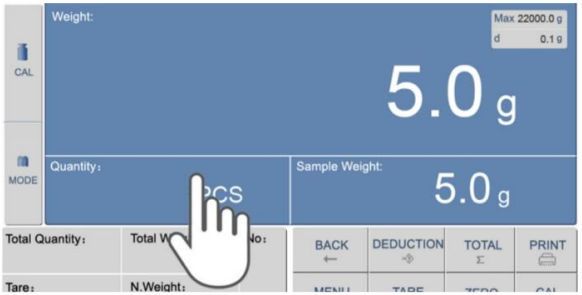
2.2.4 **COUNTING FUNCTION**



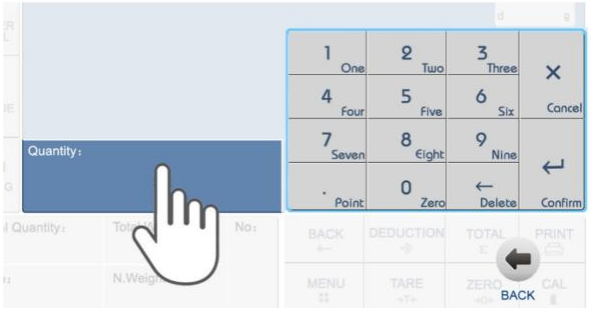
1	Status Bar (Battery, Stable, Speed)
2	Weighing mode choose
3	Date and time
4	Capacity and resolution
5	Weighing value
6	Quantity
7	Sample weight (1 pcs)
8	Auxiliary tools(Calibration,Mode choose, Language)
9	Counting details
10	Key pad

COUNTING FUNCTION

Step 1: Put on the sample weight.



Step 2: Press the quantity. And enter the sample quantity.



Steps 3:Back to the counting page and start the counting test.



We also can direct enter the sample weight and use counting functions.

2.2.5 **DENSITY TEST**

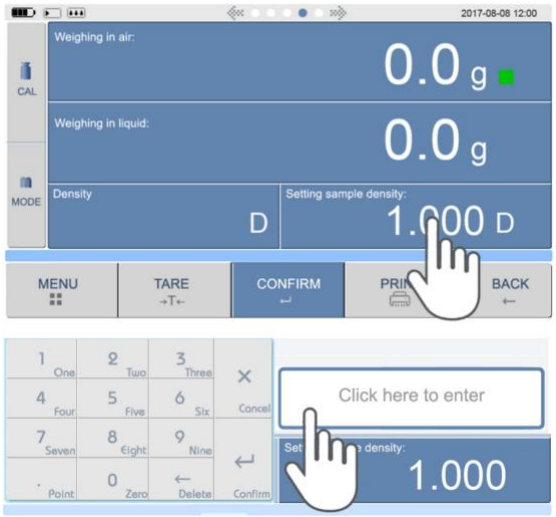


1	Status Bar (Battery, Stable, Speed)
2	Weighing mode choose
3	Date and time
4	The solid weight in the air
5	The solid weight in the liquid
6	Setting the liquid density for solid test
7	Note color bar (blue mean normal, red means overload)
8	Auxiliary tools(Calibration,Mode choose, Language)
9	Key pad
10	Confirm mark
11	The density test result

This density function need use our density kits or under weighing function for density test.

DENSITY TEST

Step 1: Press Setting sample density and enter the density value.

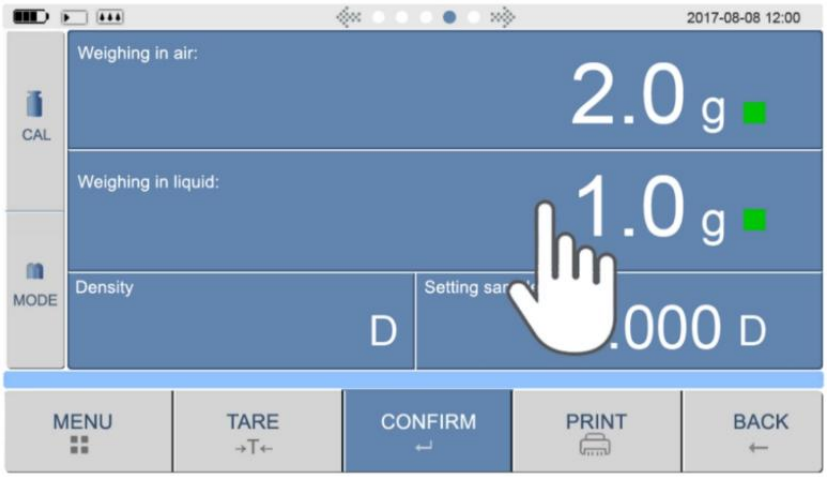


Step 2: Press weighing in the air,then put the sample on the top of pan.



When the weighing digit value stable, press again then will be show green square. Means confirm the weight in the air.

Step 3: Press weighing in the liquid,then put the sample inside the liquid, when the weighing digit stable,press again then will be show green square. Means confirm the weight in the liquid.

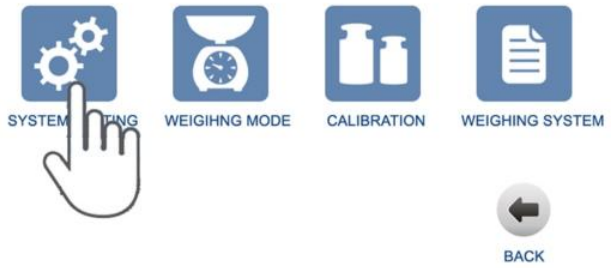


Step 4: Press the density, the result will be come out, the density unit is g/cm^3.



2.3 System Setting

2.3.1 **We can set the system parameters in system setting function**



The setting items include as blew:

1. weighing speed (3 means Fast,1 means slow)
2. stability; (3 means high,1 means low)
3. language;
4. Printer;
5. Date and time setting.



2.4 Calibration

When after shipping or long time without use, we need use calibration for keep the weighing precision, in this function have 3 items function.



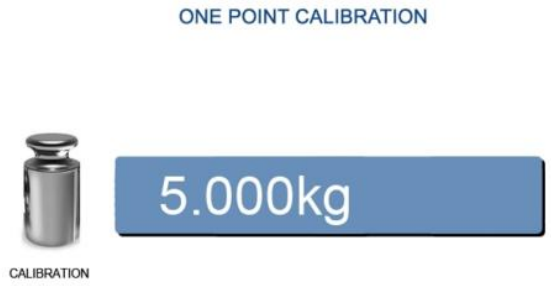
2.4.1 **One point calibration.**

1.Press one point calibration, please operate follow the note,

2.It will shining the value for one point calibration and show put on the weight,then put on the same value weight

3.When it show move away the weight, then move away the weight.

4.Waiting it go zero. Calibration complete.



2.4.2 **Multi- Calibration.**

This function for calibration the liner, so it can keep liner precision. Please make sure you have enough weight for this operate, or it will make your scale no stable and no precision.

1. Press MULTI-CALIBRATION key, then operate as the note which will show in the touch screen, there will be show 3 point calibration value for this multi-calibration.
2. After calibration you can check the liner with your standard weight.





2.5 Weighing System

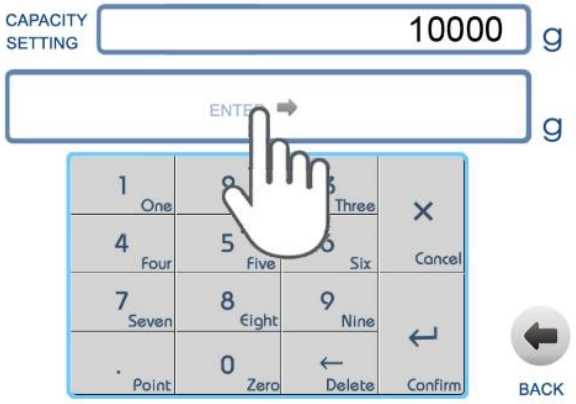
This setting only for pro operation, and before you setting, please confirm with our tech support for make sure whether the hardware suitable or not.



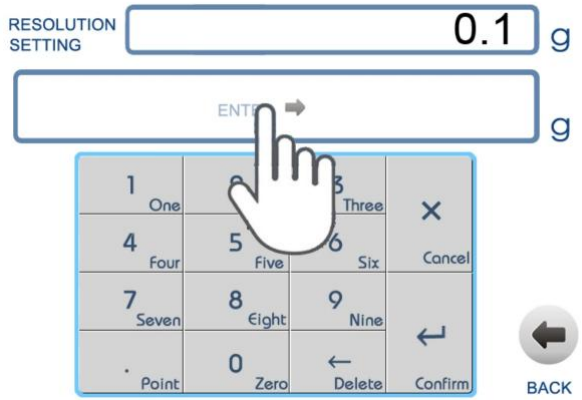
2.5.1 **CAPACITY AND RESOLUTION SETTING**

We can change the capacity and resolution for each scale.

1. Press CAPACITY RESOLUTION key enter the setting.
2. Press enter blank,then enter the capacity value you want.press confirm.
3. Press BACK complete setting.



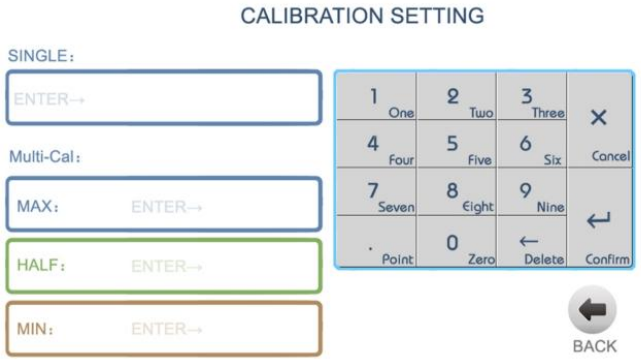
4. We can use same operate enter the resolution setting.



2.5.2 **CALIBRATION SETTING**

After setting the capacity, we set the calibration point for keeping best liner ability.

1. One point calibration means we set one point calibration weight.
2. MAX: Setting the full capacity weight. (Keep first number,6200g will set 6000g)
3. HALF: Setting 50% weight value.(Example: capacity 6200g, we set 50%:3000g)
4. MIN: Setting small point 30% capacity, the better way is one weight can meet require, for example 6200g, we can set 1kg or 2kg.



2.5.3 **INPUT AND OUTPUT**

The indicator can output the weighing data and test report to the excel document.and the base setting also can output to the USB pan. We can store this base setting and copy to another machine.

Step 1. Press Output/Input key.

Step 2.Insert the USB pan, you will see the USB icon show in the upper bar.

Step 3. Choose the out put or input you wan.

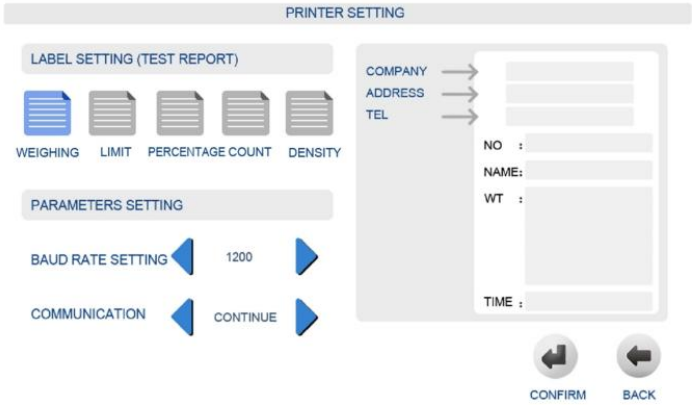
Step 4. There will be note you output or input complete.

Ⅲ ABOUT PRINT

3.1 Data Output

1	Model or a decimal point
2	A space or a decimal point
3	A space or*
4	+ or - or a decimal point
5	data
6	Data or a decimal point
7	Data or a decimal point
8	Data or a decimal point
9	Data or a decimal point
10	Data or a decimal point
11	Data or a decimal point
12	Data
13	Unit 1
14	Unit 2
15	Unit 3
16	Enter
17	Wrap

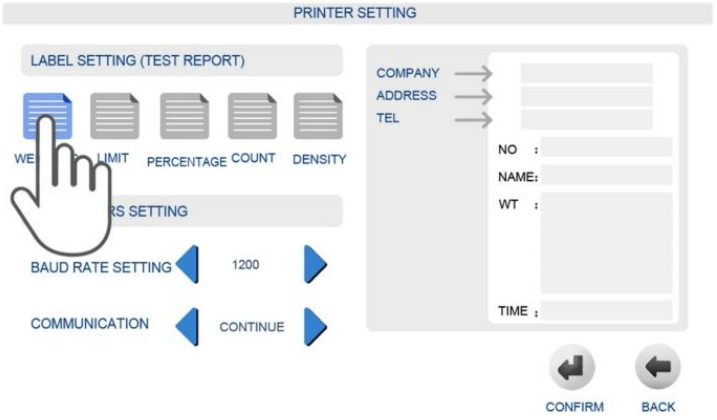
3.2 Printer Setting



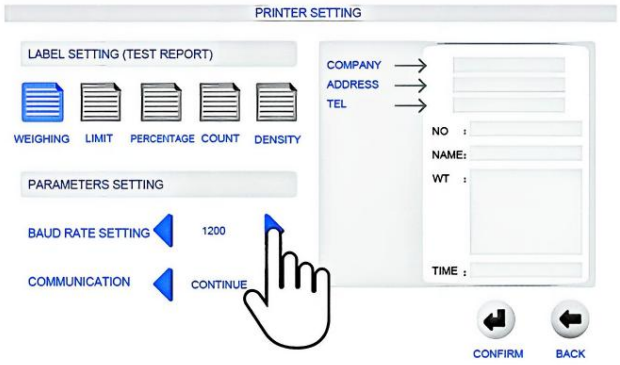
We can choose the suitable baud rate and communication style for different print or connect with the computer.

There are five kinds of print format for label print, we can choose the mode ,then enter the information which the operation need.And we also can choose the baud rate and communication which we need.

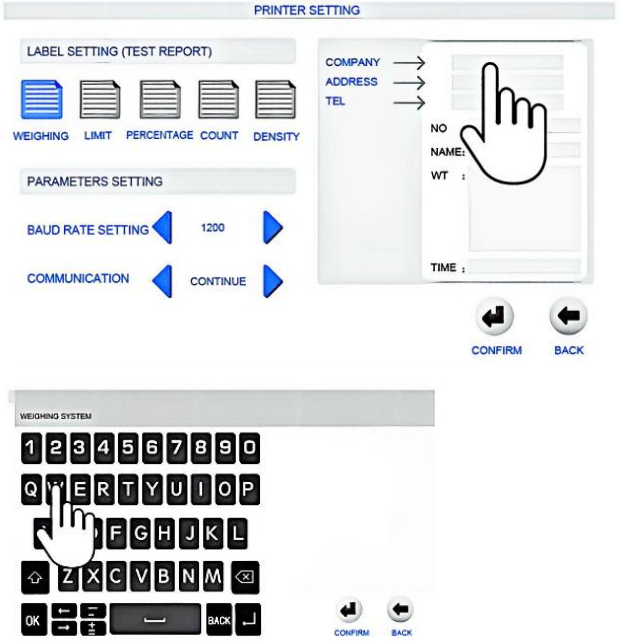
Step 1: Choose the mode which you use.



Step 2: Choose the suitable baud rate and communication mode.



Step 3:Enter the operator information.



Press Confirm can enter the input information.

IV FAULT JUDGEMENT

If you come across any problem, you can check it by you self and find the reasons.

FAULT	REASON	EXCLUDE
No display	1. Not connected to the power supply; 2. Fuse is broken; 3. Power transformer damage; 4. The chips lose memory 5. The cable loose	1. Plug in the power line; 2. Replace the fuse; 3. Replacement of power transformer; 4. Multi-Calibration the balance 5. Check the cable which connect display with main board. Contact factory
Weighing unstable	Bad working conditions; The wind screen is open; Something between the table and balance; The power unstable; Weighing unstable;	Keep the environment stable,close the windows and doors; Close the glass door; Take away the things; Connect the stable power;
The weighing digits is wrong	The balance not calibration. Not tare before weighing. No adjust the level.	Calibration. Tare before weighing. Adjust the level feet.
Over Load	The weight things heavy than capacity.	Keep the weighing things small than capacity
Under Load	The weight small than zero	Tare and weighing again
Listen the Buzzer voice	The weight out of limit	Reset the limit upper and lower setting.

V. KEY FAILURE

Calibration the touch panel

1. Use two fingers quick touch blank place fast until show the blue display.



2. Touch the "+" in the left top side corner.and it will go to right-top side, please touch again.



3. Then it go to right down side, and press it, so calibration complete.