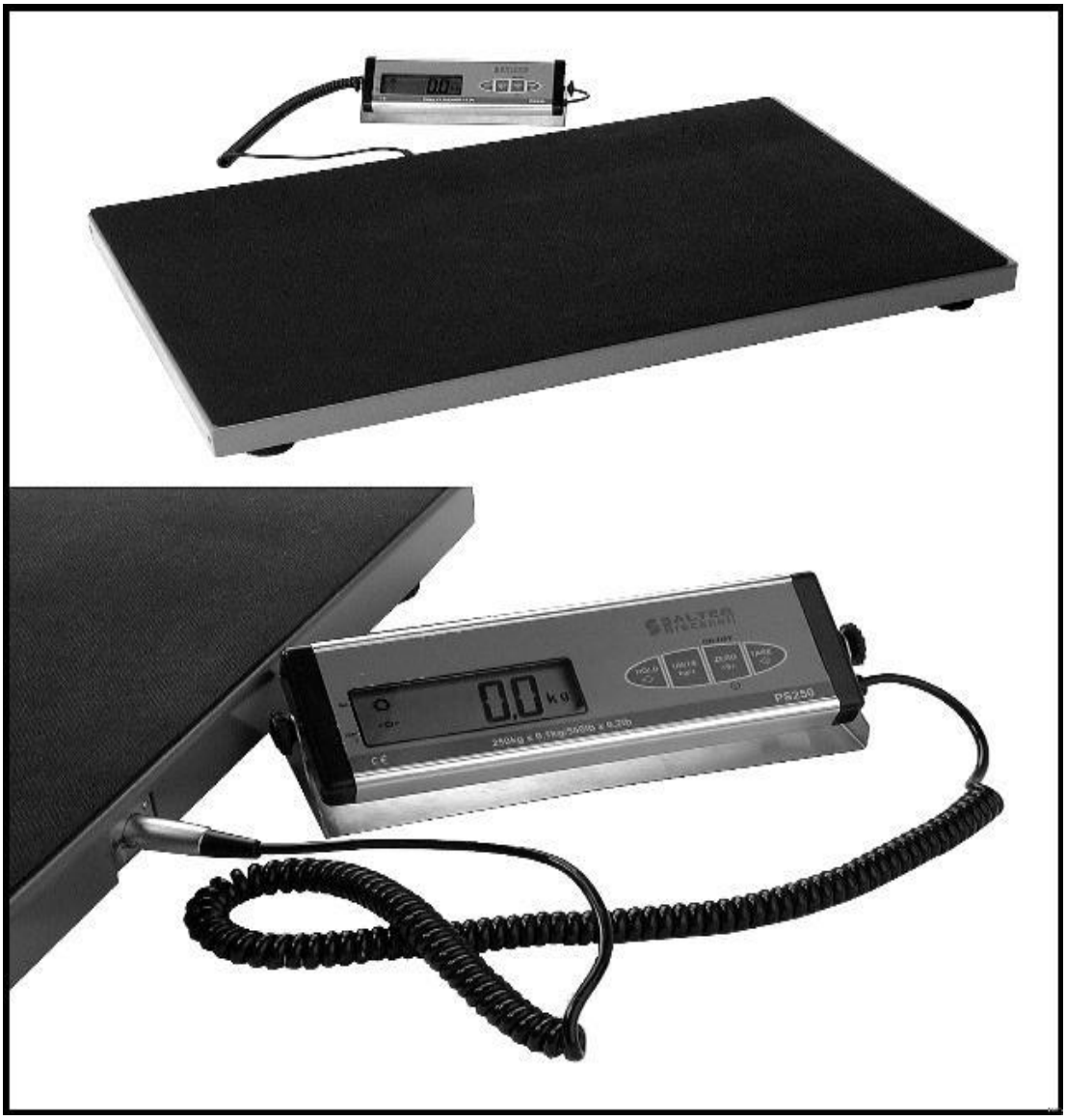
PS250 Platform Scale



User Instructions

ENGLISH

Contents

page no.

KRUUSE

Declaration of Conformity

Manufacturer	**Kruuse Shanghai Trading Co. Ltd.**
Type	**PS250**

EMC Directive	**2004/108/EC**
Low Voltage Directive	**2006/95/EC**
Rosh Directive	**2011/65/EU**

corresponds to the requirements of the following EC directives:

The applicable harmonised standards are:	**EN60950, EN50081–1, EN50082–1**

A copy of the original signed declaration for this instrument is available from:

JØRGEN KRUUSE A/S Havretoften 4 DK-5550 Langeskov

Safety

Warnings

Safe installation

Take care when lifting and transporting heavy objects.

Do not overload the machine. Take care not to exceed the weighing capacity of the machine.

Pluggable equipment must be installed near an easily accessible socket outlet. Permanently connected equipment must have a readily accessible disconnect device incorporated in the fixed wiring.

For your protection all mains(110v or 230v),equipment used out of doors or in wet or damp conditions should be supplied from a correctly fused source and protected by an approved RCD.

The mains lead must be connected to a supply outlet with a **protective earth contact.** The electrical supply at the socket outlet must provide overcurrent protection of an appropriate rating.

IF IN DOUBT SEEK ADVICE FROM A QUALIFIED ELECTRICIAN.

Safe use

To avoid the possibility of electric shock or damage to the machine, always switch off the machine and isolate from the power supply before carrying out any routine maintenance.

Cleaning the machine

CAUTION: Harsh abrasives, solvents, scouring cleaners and alkaline cleaning solutions, such as washing soda, should not be used especially on the display windows. Under no circumstances should you attempt to wipe the inside of the machine.

The outside of standard products may be wiped down with a clean cloth moistened with water containing a small amount of washing up liquid or disinfectant.

EMC compliance

The following warning may be applicable to your machine.

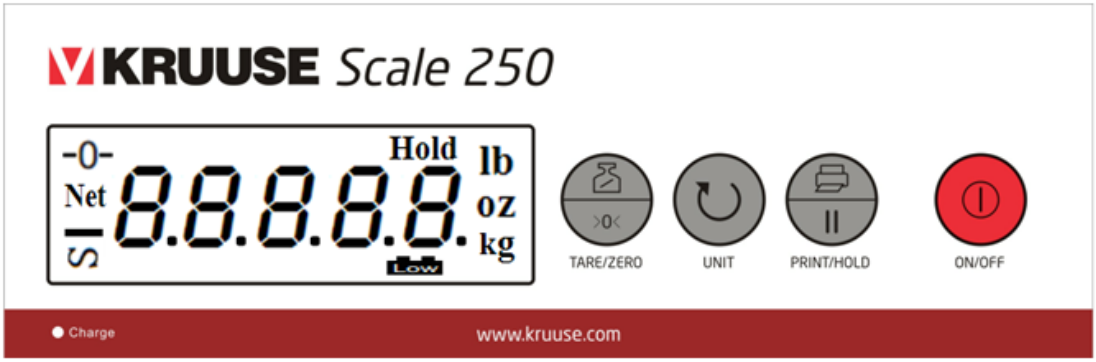
WARNING: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

1 About your machine

1.1 Description

The PS250 is a self contained portable platform scale with a remote display. The platform is constructed of mild steel; it has four adjustable feet for levelling and a non-slip mat for the platform. A bracket and fixings are supplied for desk or wall mounting the indicator head. For best results, always install the platform on a hard, flat, level surface.A stainless steel platform version is available.

1.2 Display



Stable		Net	Net weight
Minus		Hold	Hold weight
-0-	Centre of zero	kg lb oz	weighing mode
Low	Low battery		

1.3 Key functions

TARE/ZERO Switches the scale on or off.

UNIT **Selects weighing units.**

PRINT/HOLD **Retains average weight display.**

ON/OFF **Switches the scale on or off.**

1.4 Power Error codes

nnnnn **Overload**

Low battery warning

1.5 Specification

Capacity/resolution：	**250kg x 0.1kg/ 550lb x 0.2lb**
Display	**5 segment LCD**
Operating temperature	**0~40℃**
Weight	
Dimension of Platform	**975*600*75mm**
Dimension of Display head	**293*9135*76.5mm**

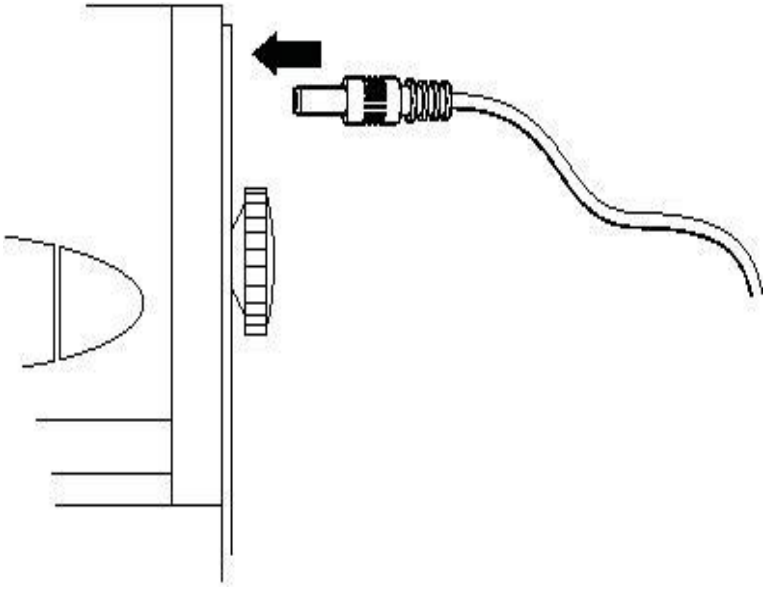
（including holder）	
Power supply	6 x 1.2V metal hydride rechargeable batteries
Recharge adaptor	Input：AC 100~240V Output：DC 12V--500mA

1.6 Power supply

The indicator head contains six metal hydride rechargeable batteries. The low battery indicator Low is displayed when the battery power is insufficient to power the scale

Recharging the batteries

Insert the AC re-charger adapter into the socket on the indicator head to recharge the batteries.



Recharging time is approximately **4** hours.
Fully charged batteries should give approximately **18** hours of continuous use

CAUTION:

Always connect the AC adaptor to the indicator head before connecting to the mains power supply.

Disconnect from the mains power supply before disconnecting the adaptor from the indicator head.

AC adaptor：

Input：AC　100~240V

Output：DC　12V--500mA

The PS250 has four different conversion connectors:

2 pin European

3 pin UK

2 pin USA

2 pin Australia

2 Weighing

2.1 Power on & Self Test

Press **[ON/OFF]** to power on，the display shows **“dIC-1”**.After that the scale would do self-test from **“99999”**to**“00000”**.After self-test, the display shows the working voltage**“Vb 8.2”**，and then go to the weighing mode.

2.2 Return to Zero

If there are some objects on the scale, and the weight of the objects is less than 4% capability of the scale, the scale could be power on normally.

If the weight of the objects is more than 4% capability of the

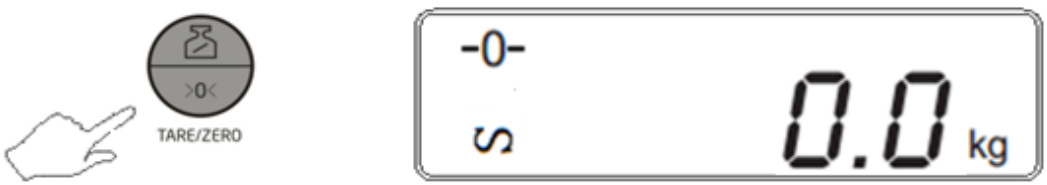
scale, the display would show "OL",means overload. You should remove the objects, and reopen again.

2.3 [TARE/ZERO]

In weighing mode, if the object's weight is less than the 4% capability of the scale, when you press **[TARE/ZERO]**button, the scale would return **ZERO;**

In weighing mode, if the object's weight is more than the 4% capability of the scale, when you press **[TARE/ZERO]**button, the scale would reduce the tare.

1.



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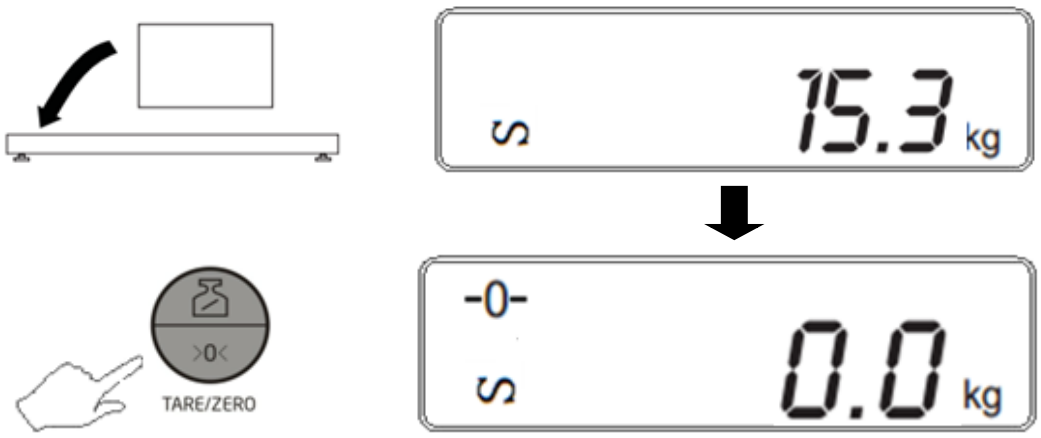

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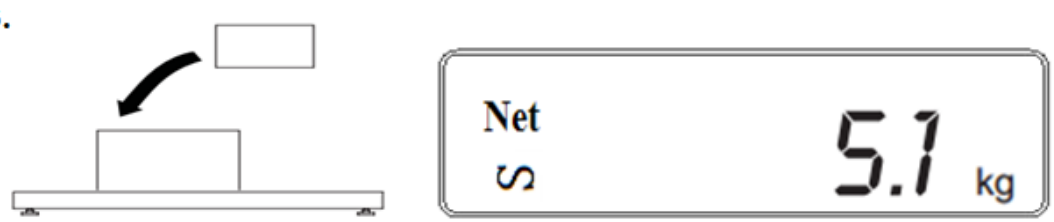

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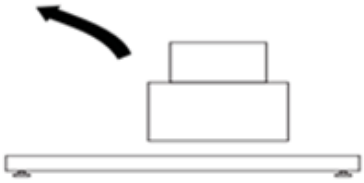


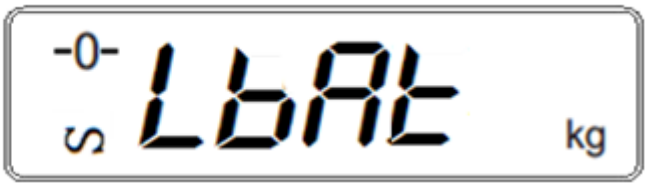
2.4 [UNIT]

Press**[UNIT]** to switch Weighing Unit：KG、Lb、OZ、LBOZ 。

2.5 Voltage testing

The scale would test the voltage every 25 seconds. When the voltage 5.6V <= U <6.5V,the display would shows just like following ,to remind the operator to charge the battery.

When the voltage U <=5.6V,the display shows **"LbAt ",**and power off



3 User mode

Press **[TARE/ZERO]+[ON/OFF]** buttons together to power on，then enter the "**User mode"**. Press **[UNIT]** button to move across to the items which you require.Prsee **[TARE/ZERO]** button to change the status or value of this item. Finally ,press **[PRINT/HOLD]** button to save your changes and return to weighing.

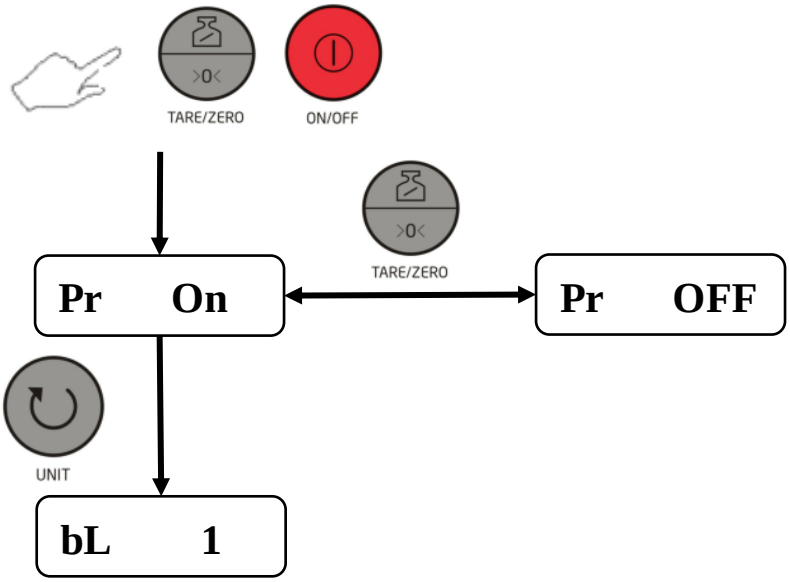
3.1 Automatic power-off

When you Press **[TARE/ZERO]+[ON/OFF]** buttons together to power on, you would find following picture

The display show the status of automatic power-off function.

If the display shows **“PR ON"**, it means that the automatic power-off function is working. If the scale shows "**ZERO**" and do not work after 2 minute, the scale would be power-off automatic. If the display shows **“PR OFF”,** it means that the automatic power-off function is closed.

You could use **[TARE/ZERO]**button to change the status of this function just like the following picture. After that, you could press **[UNIT]** button to move across the **"Backlight function"**



3.2 Backlight

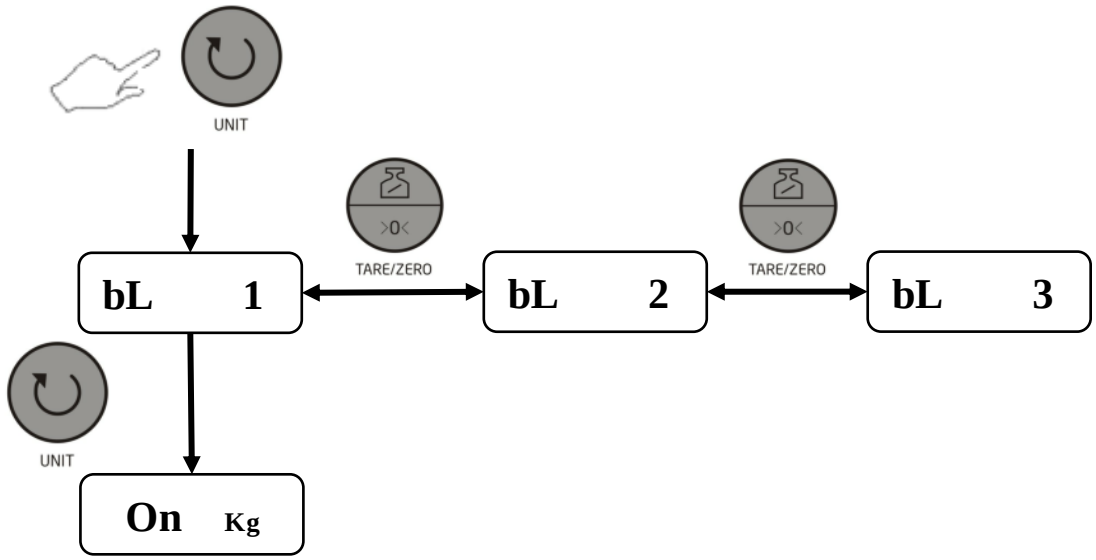
This function is used to choose the value of backlight, the display shows **"BL value** "The value include 3 level(1~3).Press **[TARE/ZERO]** button to choose the level.

"1"means the backlight is closed.

"2"means the backlight is always open

"3"means the backlight is in automatic status: if there are some objects on the scale, the backlight is open and will continue working 10 seconds after remove the objects. If there is no object on the scale, the backlight is closed.

After that, you could press **[UNIT]** button to move across the **"Unit Shield"** function



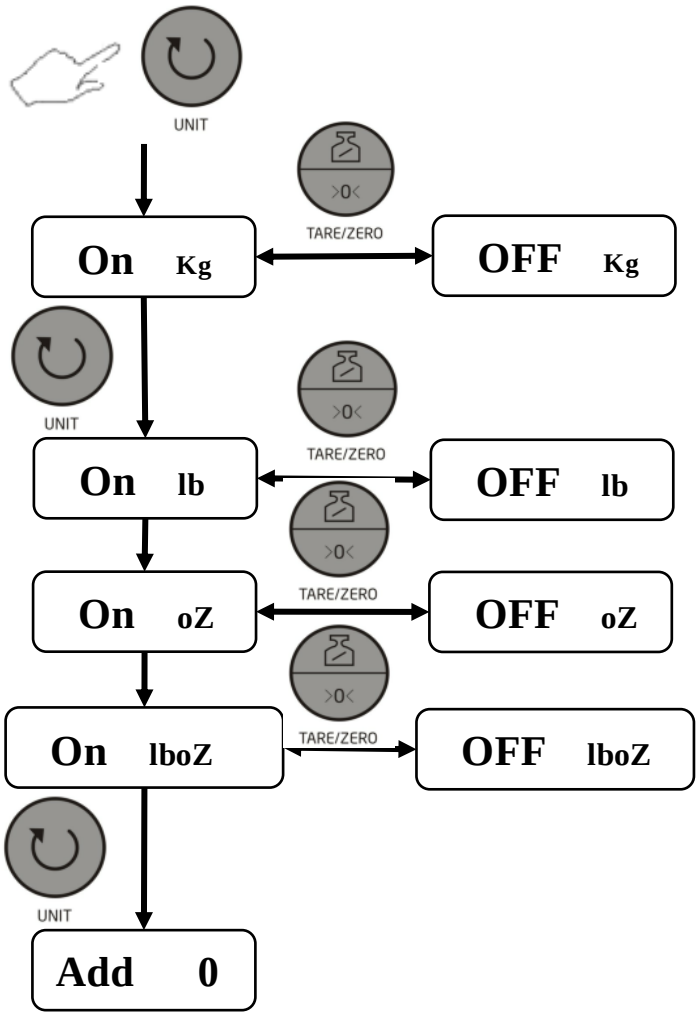
3.3 Weighing Unit Shield

This function is used to choose the status of weighing unit. When you choose this function, the display would show "ON Unit". You could press **[TARE/ZERO]** button to choose the status.

"ON"means you could use this unit when you weighing;

"OFF"means you could not use this unit when you weighing;

You could Press **[UNIT]** button to access into next weighing unit. If you close all the weighing unit, the scale would choose" **kg"** as default unit.



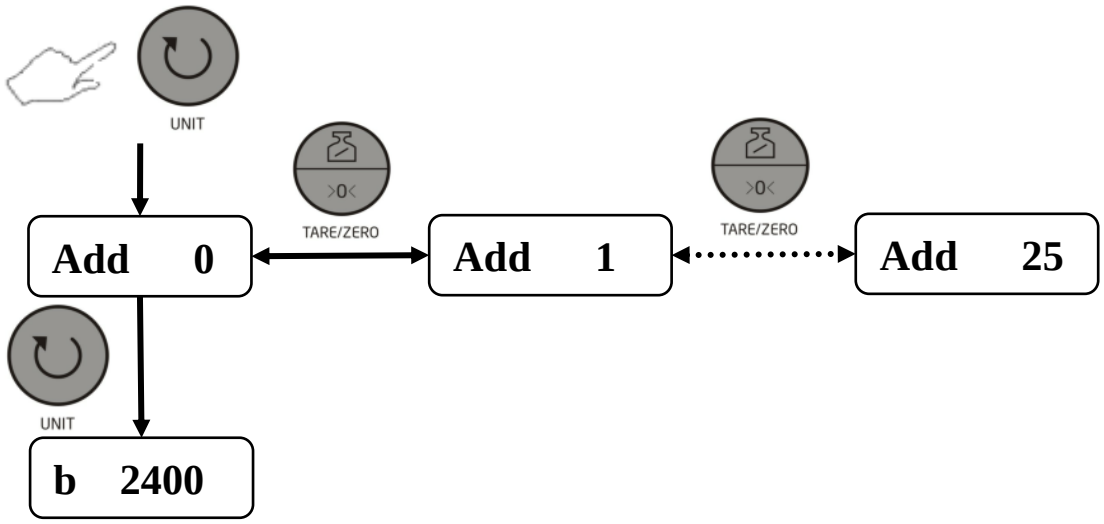
3.4 Mailing Address

This function is used to select the address of multi-machine communication. The display shows "Add NUMBER". The "Number" is from **"0~25"**.The relationship between the number and letter is just like following: **" 1=A" "2=B" "25=Y"**.

After that, you could press **[UNIT]** button to move across to the

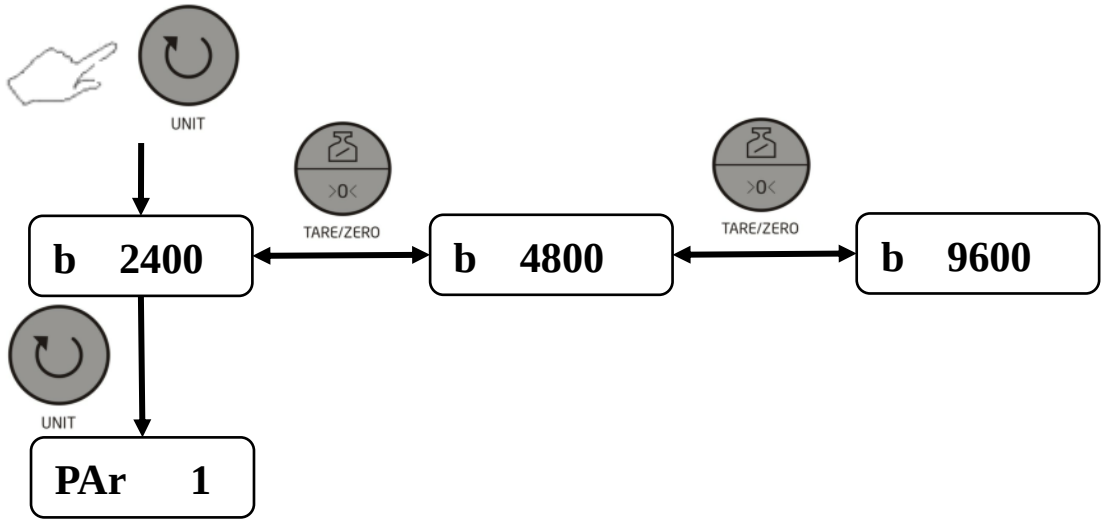
Baud Rate function.

Note: If you choose "0",it means forbidden communication.



3.5 BaudRate Function

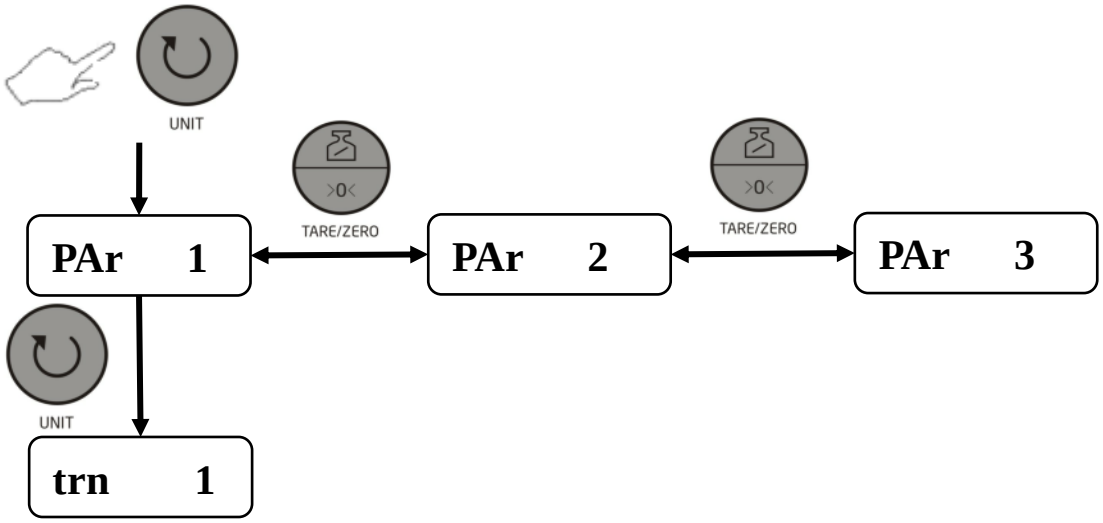
This function is used to choose BaudRate for communication. The display would show **"b Number".** The number has 3 different modes:9600/4800/2400.You could press **[TARE/ZERO]** button to choose**.** After that, you could press **[UNIT]** button to move across to the" **Even-Odd check**" function.



3.6 Even-Odd check

This function is used to select the" **Even-Odd Check"** function.

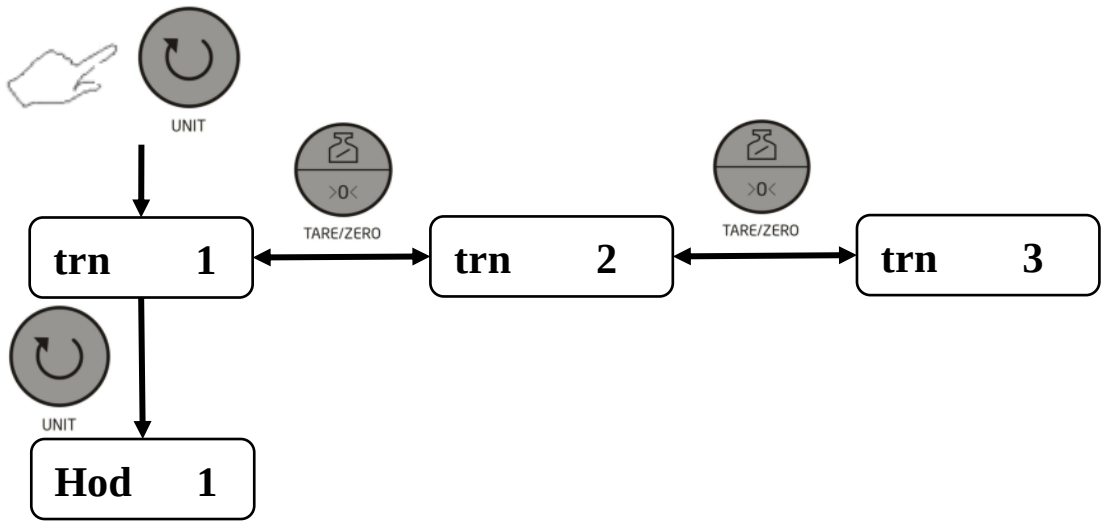
The display would show "PAR Number"。The number has 3 different modes："**1**" means **no verify** for 8 digit；“**2**”means **Even verify** for 7 digit； “**3**” means **Odd verify** for 7 digit. You could press **[TARE/ZERO]** button to choose**.** After that, you could press **[UNIT]** button to move across to **Transportation** function.



3.7 Transportation

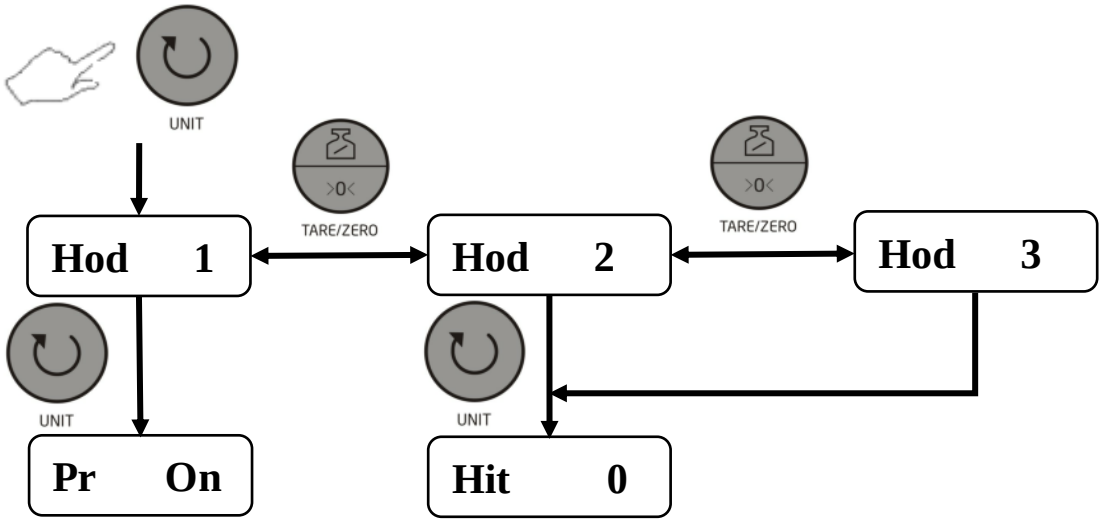
This function is used to select the transportation with the host computer or serial print, combined with the “**Hold**” function to use。

The display shows "**TRN Number**". The number has 3 different modes, you could find in **appendix 1**. After that, you could press **[UNIT]** button to move across to"**HOLD**"function.



3.8 Hold

The display shows **"Hod Number"**。The number has 3 different modes ,you could press **[TARE/ZERO]** button to choose. You could find the detail information in a**ppendix 1**. After that, you could press **[UNIT]** button to move across to"**Hit**"function



3.9 Hit

The display would show "**Hit,Number**".The number has 4 different modes ,you could press **[TARE/ZERO]** button to choose.

"0"----The scale would keep the Hold status until you press to cancel.

"1"----The time for Hold status is 10 sec,or press to cancel；.

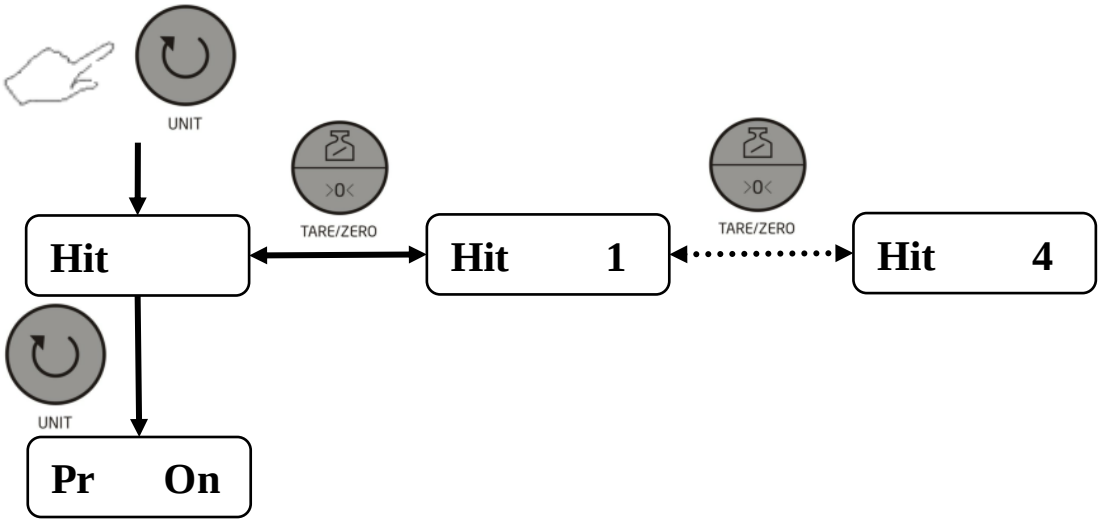
"2" ----The time for Hold status is 20 sec,or press to cancel；

"3"---- The time for Hold status is 30 sec,or press to cancel；

"4 "---- The time for Hold status is 40 sec,or press to cancel；

When you confirm the choice, and then press **[UNIT]** button to

move back to the "**Automatic power-off" f**unction。



4. Appendix：

appendix 1

	TRN=1	TRN=2	TRN=3
Hod=1	**[PRINT/HOLD]**button would be ineffective	Only with continuous transmission	Press**[PRINT/HOLD]** button，print one time.
Hod=2	1.After 1 second of the weighing stability,the scale would go through the **Hold status** automatic. 2.Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button	1. with continuous transmission 2. After 1 second of the weighing stability,the scale would go through the **Hold status** automatic. 3.Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button	1.After 1 second of the weighing stability,the scale would go through the **Hold status,**and print one time automatic; 2.Press**[PRINT/HOLD]** button，print one time again. 3..Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button
Hod=3	1.Press the **[PRINT/HOLD]** button,the scale would go through the **Hold** status. 2.Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button	1. with continuous transmission 2. Press the **[PRINT/HOLD]** button,the scale would go through the **Hold** status. 3. Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button	1. Press the **[PRINT/HOLD]** button,the scale would go through the **Hold** status.The scale would print one time; 2.Press the **[PRINT/HOLD] again,the scale would print** one time again; 3. Release condition： a.The time is up according to the setting in **Hit function**. b.Press**[PRINT/HOLD]** button 3rd time(No print)

Note：When the scale is in **Hold Status** one time,you should take down the object on the scale,and **Return to Zero**,then the scale could be in **Hold Status** once again.

Appendix 2

When you choose TRN=2 or TRN=3,the host computer could send the following order:

Order	Functiom
Z	With the same function by pressing the **[TARE/ZERO]** button
H	With the same function by pressing the**[PRINT/HOLD]** button
N	Read the net weigh
G	Read the gross weight
T	Reaf the tare weight

Appendix 3

User fast calibration mode

Press **[TARE/ZERO]** button for 3-4s,the scale will go through the **User fast calibration mode**.The detail steps are just as following:

Choose the calibration unit

1. Press **[TARE/ZERO]** button for 3-4s,the display shows **" CAL kg"**,the default unit is **"kg";**
2. Press **[UNIT]** button to choose the unit between "kg" and "lb";
3. Press **[PRINT/HOLD]** button to confirm the choice and go through the following step.

Choose the calibration number

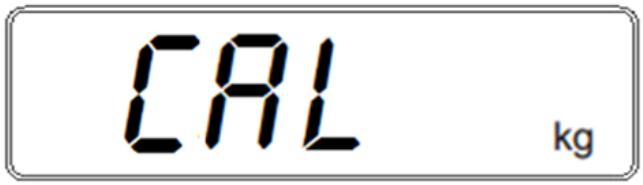
4. The display shows"L Number Unit"
5. Press **[PRINT/HOLD]** button to change the digit position,and press **[TARE/ZERO]** to choose the number.
6. When you confirm the choice,press **[UNIT]** button,the digit do not twinkle.

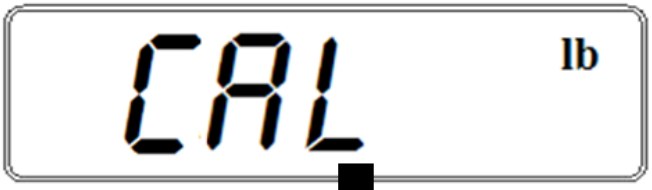
7. Put the counterweight on the scale to calibrate.
8. When stable,press **[UNIT]** to start the automatic calibration
9. Calibration completed，the sacle return to the weighing status automatic.

Note ： The deviation between the technical calibration value and Weighing calibration value could not be more than ±20%.Otherwise,the calibration is failure,the dispaly should show "CALEr"

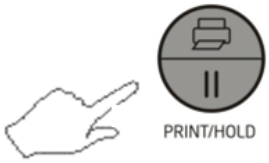
1、Press **[TARE/ZERO]** for **3-4**s

2、change the unit

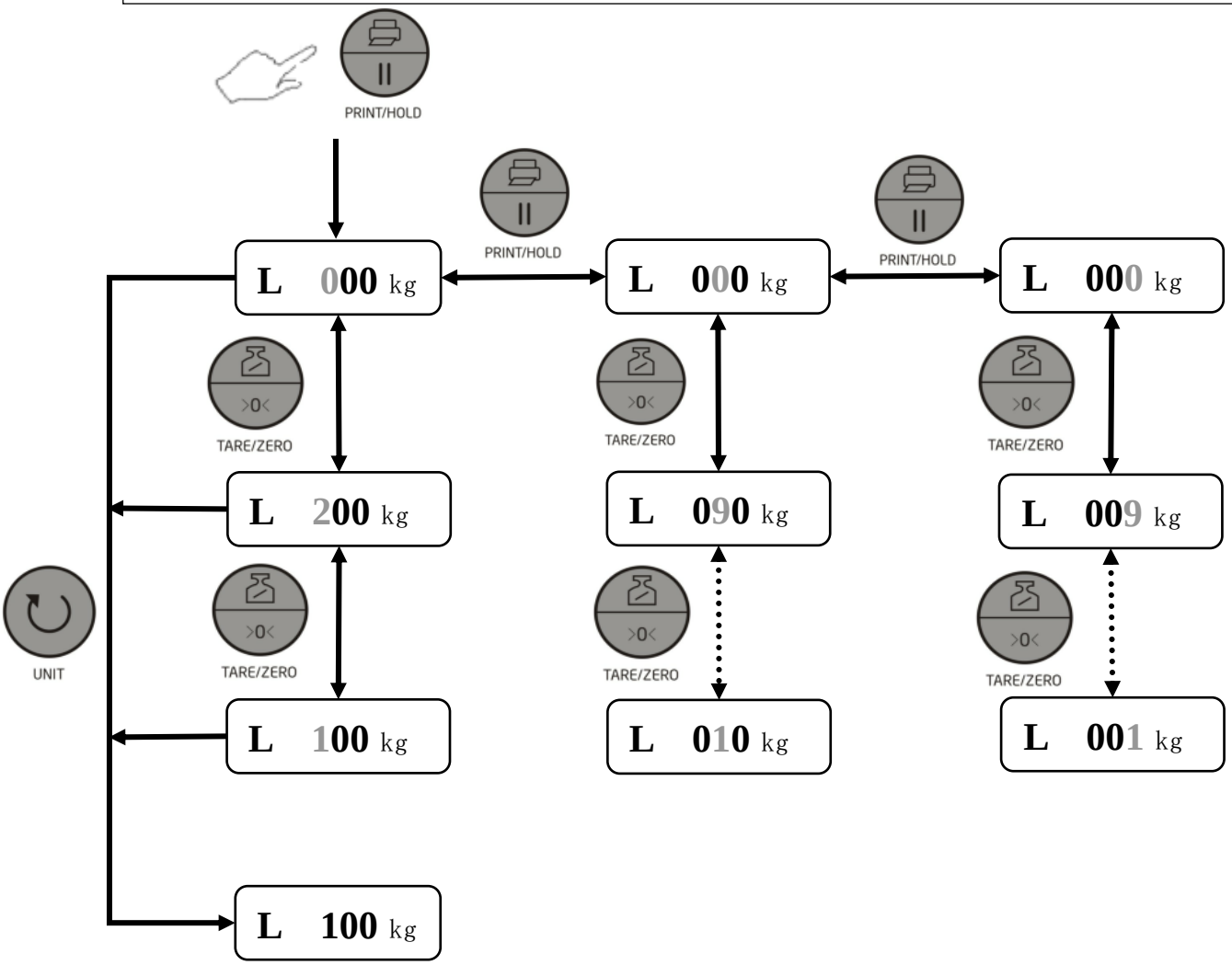




3、Press **[PRINT/HOLD] to confirm**



4、Press **[PRINT/HOLD]** to change the digit position，and press **[TARE/ZERO] to choose the number**



5、Put the counterweight on the scale to calibrate，when the scale stabile,press**[UNIT]**to start the automatic calibration