JOANLAB®

User manual

CONTENT

Product Brief

JOANLAB 0.01mg Dual Range Analytical Balance CEB series analytical balance work on electromagnetic force compensation technology and micro processor which implements high speed stabilization and high reliability. It can be widely used in industry, agriculture, commerce, schools, scientific research and otherinstitutions to quickly weighing the quality and quantity of objects.

SafetyPrecautions

<Verify that the AC Adapter input voltage matches the local AC power supply.
＜Sufficient spacingfor balances:>l5cm all around the instrument.

| Avoid direct sunlight | Avoid vibrations | Avoid strong drafts | Avoid temperature fluctuations |
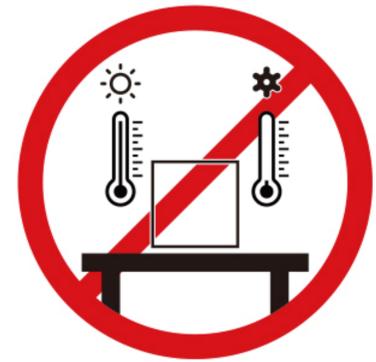
Product overview

Products introduction

1.Product detail
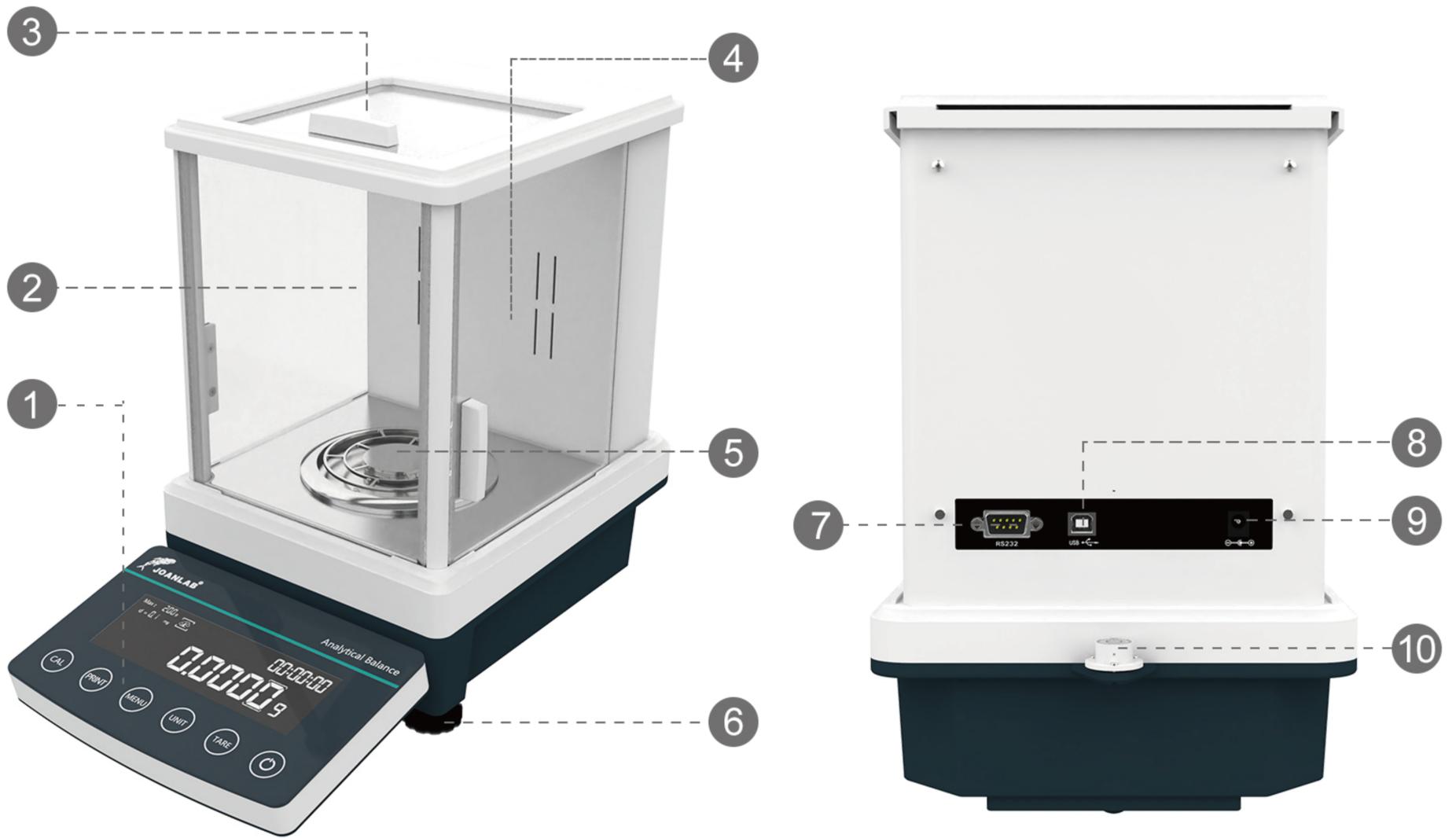
NO.	Name	NO.	Name
1	Terminal	6	Leveling feet
2	Front panel draft shield	7	RS232 interface
3	Top door draft shield	8	USB-B port
4	Side door draft shield(right/left)	9	Socket for poweradapter
5	Weighing pan	10	Bubble level

2.Button
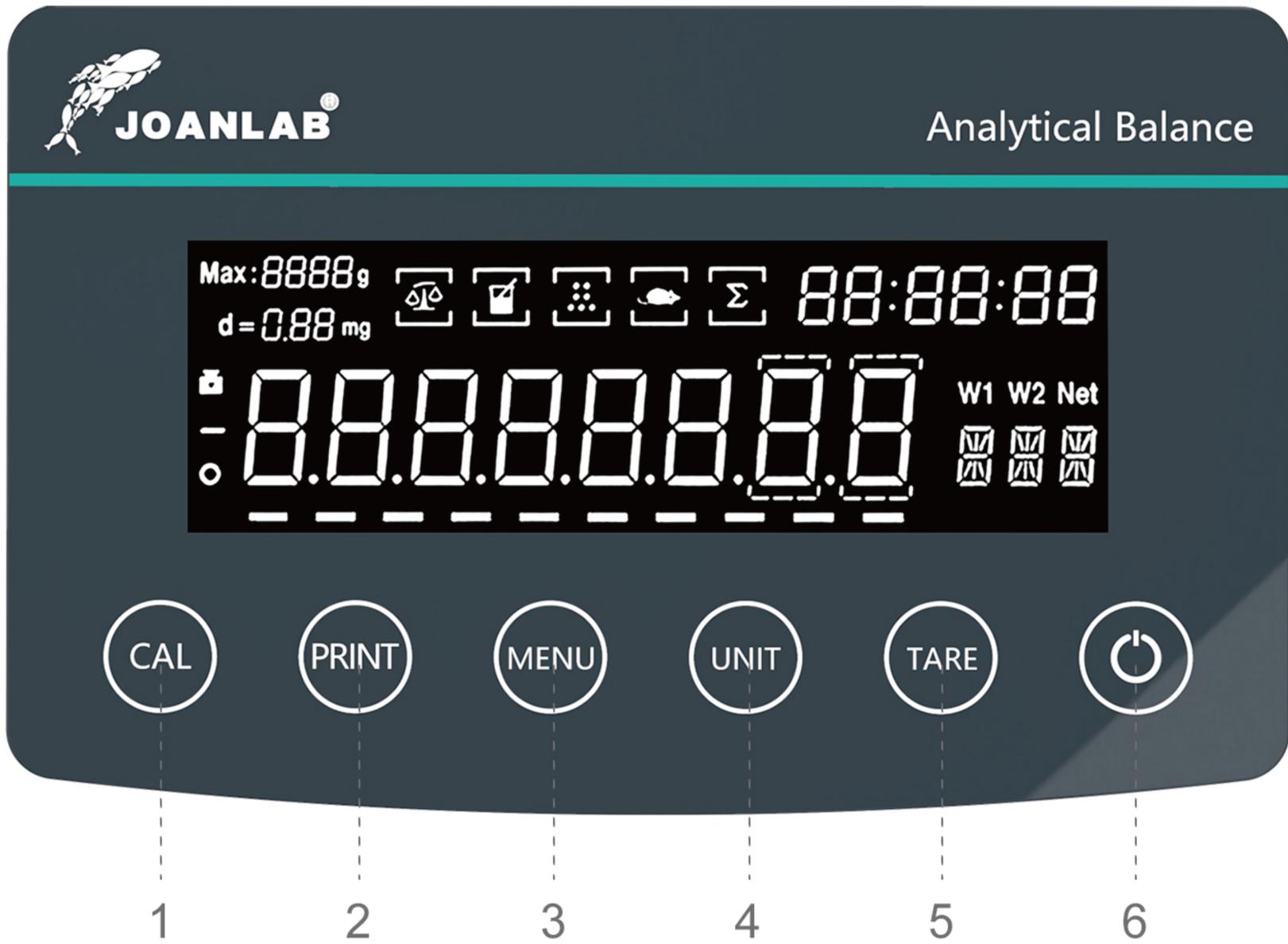
NO.	Icon	Name	NO.	Icon	Name
1	CAL	Calibration key	4	UNIT	Unit selection (g/oz/ct/mg...)
2	PRINT	Print key	5	TARE	Peeling key
3	MENU	Menu	6	⏻	ON/OFF

3.Displayinformation
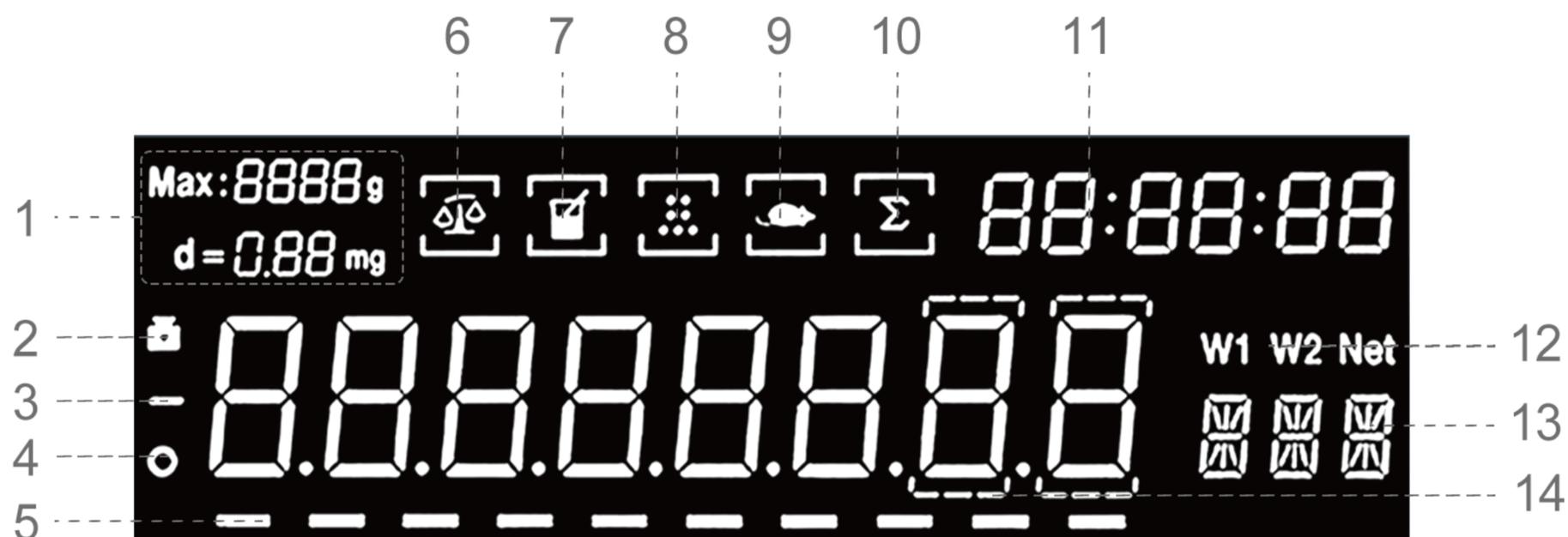
NO.	Display	Describe	NO.	Display	Describe
1	Max: 8888 g d = 8.88 mg	Model display	8	⊞	Piece counting
2	▼	Internal calibration sign	9	⊟	Dynamic weighing
3	—	Negative weight value	10	Σ	Summation
4	O	Stable value	11	88:88:88	Time setting
5	- - - - - - - - - -	Progress bar	12	W1 W2	W1:weightinair W2: weightinliquid
6	⚖	Weighing sign	13	田 田 田	Unit display
7	✎	Density determination	14	8	Unauthenticated numbers

Technical Data

Model	CEB1035	CEB2055	CEB2055N
Picture			
Weighing range	120g/31g	220g/51g	220g/51g
Accuracy	0.1mg/0.01mg		
Stability time	约2s/3s		
Preheating time	30~60min		
Weighing unit	g/oz/ct/mg/customized		
Minimum value	0.1mg/0.01mg		
Repeatability	±0.1mg/±0.03mg		
Linear error	±0.2mg/±0.03mg		
Calibration mode	CEB*****series(exteral calibration) CEB****N series (internal automatic calibration, intelligent dynamic compensation) ①Intelligent calculation and correction based on environmental temperature, humidity, vibration and other factors, making it easy and accurate.②Automatic correction during working intervals		
Output interface	RS232 /USB standard configuration		
Pan size	Φ90mm		
Product size	220*403*310mm		
N.W.	6.28kg		
Power supply	AC110V-240V		

Operation Guide

1.Levelingthe Balance

1).Put the balance on the stable desk, the desk can not be moved.;

2).Adjust the 2 Leveling Feet on the bottom, until the bubble is centered in the circle, then installing the scale pan :

<bubble right above
  clockwise rotate two
  leveling feet

<bubble right below
  counterclockwise
  rotate two leveling feet

<bubble left
  counterclockwise rotate left
  leveling foot clockwise
  rotate right leveling foot

<bubble right
  counterclockwise rotate
  right leveling foot
  clockwise rotate left leveling foot

2.Connecting and Switchingon

1).Plugin the AC/CD adapter

2).Connect the terminal with the balance

3).Press ON/OFF button,
  balance enterthe weighinginterface
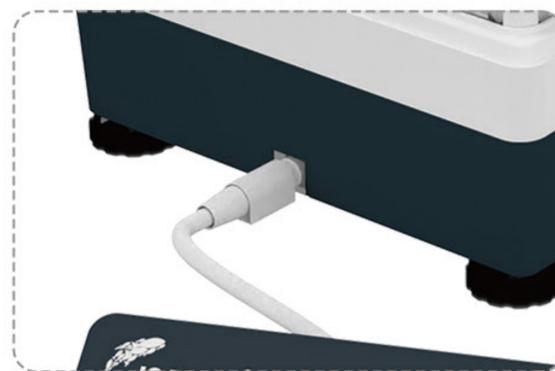
*When the operating temperature changed, put the balance in the new place for 2 hours in the state of "power on", to make the balance comply with the new temperature.

Attention: If the number on display is not stable in first boot, this occurred by operating temprature you can press "TARE" botton repeatly and layaside for 30 minutes

3.CALIBRATION

In order to get accurate weighingresult, balance should be calibrated before the below usage scenarios.

<Before first use

<Balance power off for long time or power error.

<After changing the operating environment.

<Perform regularly in weighing procedure.

(1)Chose the calibration methods(follow the sequence)

PRINT ➡ | Max: 220g
d=0.1 mg 00:00:00
SEt-C | Enter the calibration mode

MENU ➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-0- | External calibration mode

➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-1- | Internal calibration weight value settingmode
(Intl.calibration balance only)

➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-2- | Internal calibration mode
(Intl. calibration balance only)

➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-3- | Auto-calibration every 30 minutes
(Intl. calibration balance only)

➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-4- | Auto-calibration every 1 hour
Intl.calibration balance only)

➡ | Max: 220g
d=0.1 mg 00:00:00
-CAL-5- | Auto-calibration every 3 hours
(Intl.calibration balance only)

TARE Save settings

(2)External calibration(single-point calibration)

TARE →

Max: 120g
d = 0.1 mg
00:00:00
0.0000 g

Balance back to Zero

CAL →

Max: 120g
d = 0.01 mg
00:00:00
CAL - 100

Enter External calibration mode ("CAL-100" flicker)

Put 100g weight

Max: 120g
d = 0.01 mg
00:00:00
CAL - 100

Shows "CAL-100"

Remove the weight

Max: 120g
d = 0.1 mg
00:00:00
0.0000 g

Finish the calibration

(3) Linear Calibration

TARE →

Max:	120 g		00:00:00
d = 0.1 mg			

0.0000 g

Balance back to Zero

↓

MENU →

Max:	120 g	00:00:00
d = 0.01 mg		
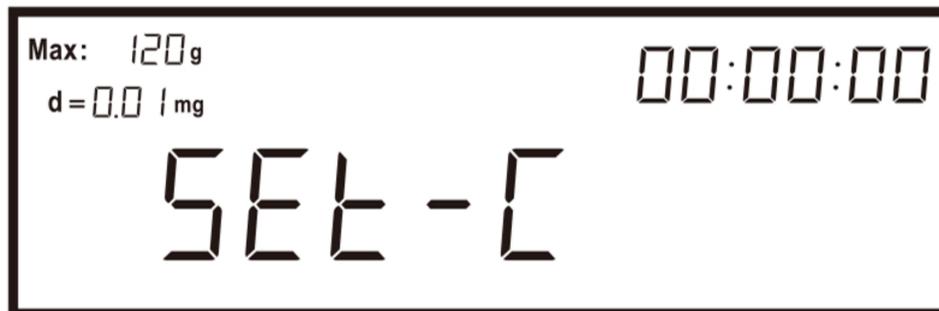
SEt-C

Till display shows "SET-C"

↓

CAL →

Max:	120 g	00:00:00
d = 0.01 mg		

Lin-0

Enter linear calibration mode Shows "LIN-0"

↓

Max:	120 g	00:00:00
d = 0.01 mg		

CAL-50

Follow the prompts to put the Corresponding weights(e.g.:CEB124)

↓

Max:	120 g	00:00:00
d = 0.01 mg		

CAL-100

↓

Max:	120 g		00:00:00
d = 0.1 mg			

0.0000 g

Finish the calibration

(4)Internal calibration weight value setting(Intl.calibration balance only)

MENU ➡️

Max: 220 g
d = 0.1 mg
00:00:00
SEt-C

Enter calibration mode

PRINT ➡️

Max: 220 g
d = 0.1 mg
00:00:00
-CAL-1-

Chose the calibration methods

CAL ➡️

Max: 220 g
d = 0.1 mg
00:00:00
CAL-dn
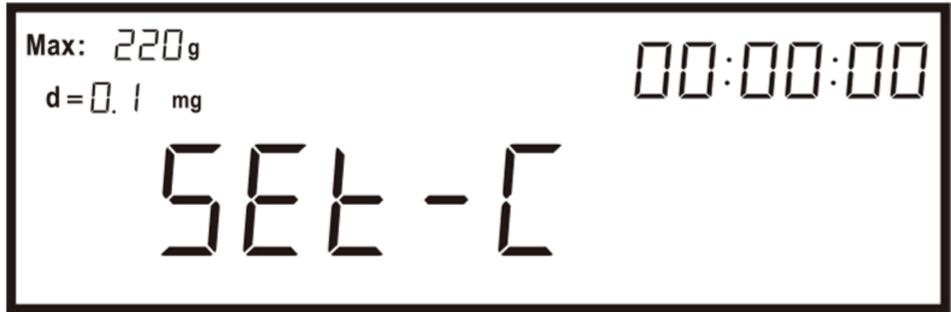
Shows "CAL-DN"

Put the corresponding weight(e.g.:CEB124)

Max: 120 g
d = 0.01 mg
00:00:00
CAL uP
_ _ _ _ _ _ _ _
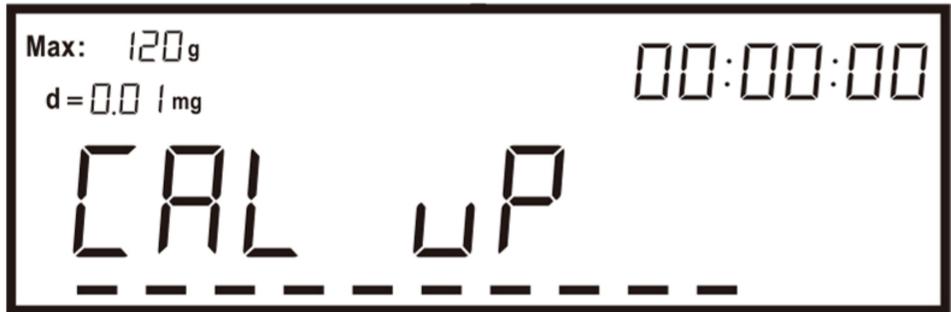
Shows "CAL-UP"
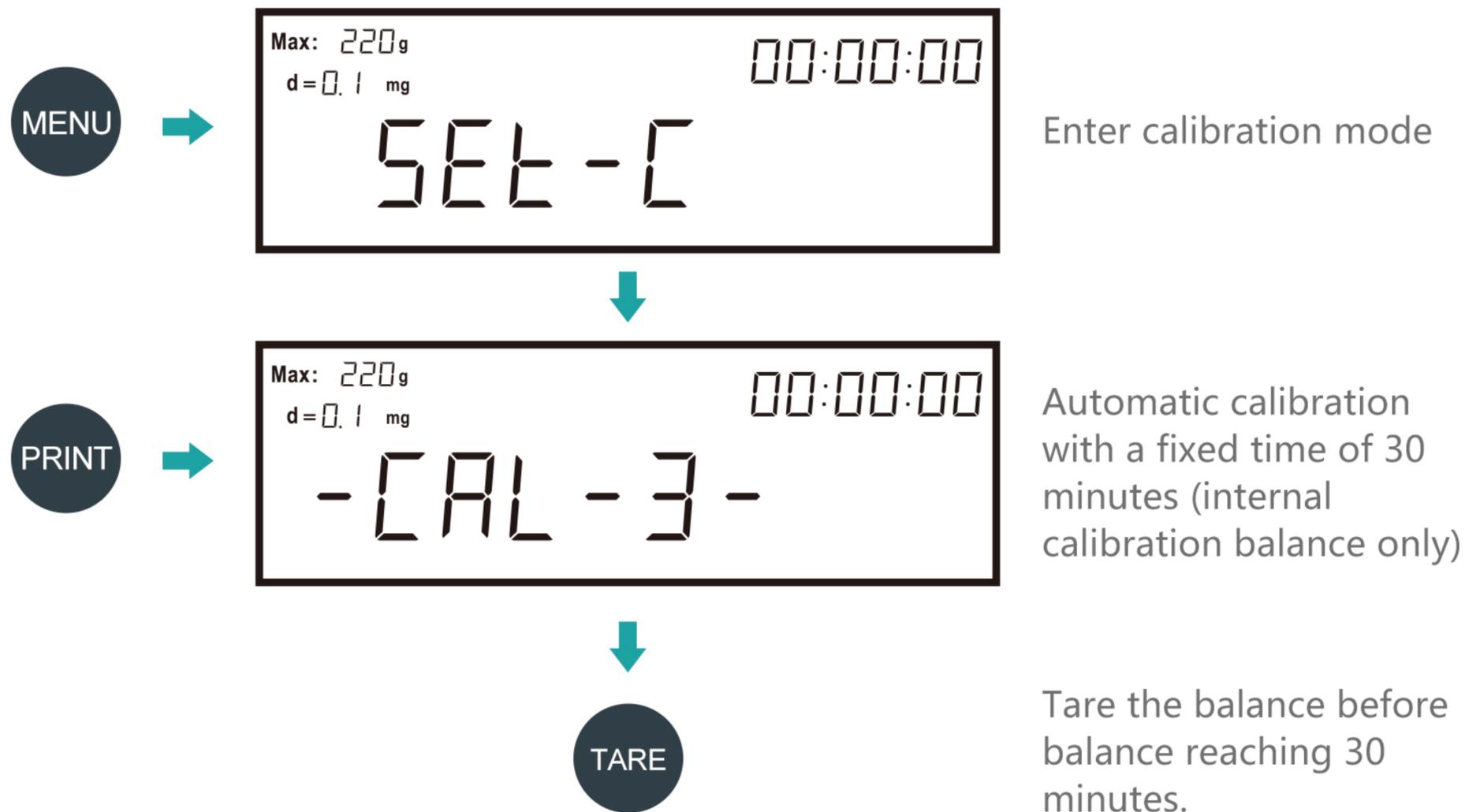
Remove the weight

Max: 120 g
d = 0.1 mg
00:00:00
0.0000 g

Finish the setting

(5)Weight value setting

Ifthe balance model is an internal calibration model, please directly press the calibration button to calibrate.

(6)自动校准

MENU ➡️

Max: 220g
d=0.1 mg   00:00:00

SEt-C

Enter calibration mode

PRINT ➡️

Max: 220g
d=0.1 mg   00:00:00

-CAL-3-

Automatic calibration with a fixed time of 30 minutes (internal calibration balance only)

TARE

Tare the balance before balance reaching 30 minutes.

Remark:

Balance should keep "0.0000", Tare the balance if balance not shown "0.0000" when reach 30minutes.

4.SET UP AND OPERATION

(1)Balance set up

1).Unit conversion

TARE ➡ Max: 120 g d = 0.01 mg 00:00:00 0.00000 g Default unit "g"

➡ Max: 120 g d = 0.1 mg 00:00:00 0.0000 g

➡ Max: 120 g d = 0.1 mg 00:00:00 0.000000 oz Default unit "oz"

➡ Max: 120 g d = 0.1 mg 00:00:00 0.0000 ct Default unit "ct"

➡ Max: 120 g d = 0.1 mg 00:00:00 0.0 mg Default unit "mg"

Remark: Other units are customizable

2).Baud rate setting

MENU ➡️

Max: 220g
d=0.1 mg   00:00:00

SEt-F
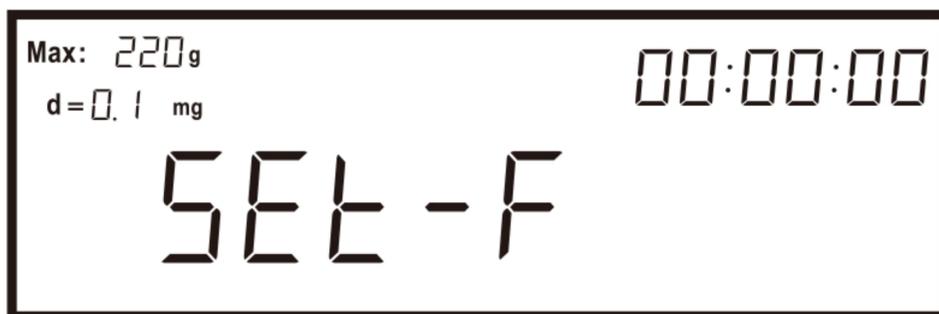
Enter Baud rate setting mode

⬇️

PRINT ➡️

Max: 220g
d=0.1 mg   00:00:00

F - 1200

Baud rate is 1200

Max: 220g
d=0.1 mg   00:00:00

F - 2400

Baud rate is 2400

Max: 220g
d=0.1 mg   00:00:00

F - 4800

Baud rate is 4800

Max: 220g
d=0.1 mg   00:00:00

F - 9600

Baud rate is 9600

⬇️

TARE

Save settings

3).Time setting

MENU ➡️

Max: 220 g
d = 0.1 mg
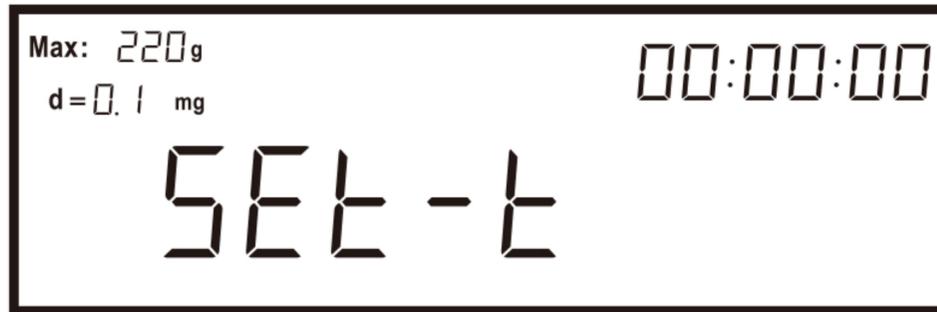
00:00:00

SEt-t

Enter time setting mode

⬇️

PRINT ➡️

Max: 220 g
d = 0.1 mg

00:00:00

CLOC-0-

Set second

⬇️ 00:00:00

Max: 220 g
d = 0.1 mg

00:00:00

CLOC-1-

Set minute

⬇️ 00:00:00

Max: 220 g
d = 0.1 mg

00:00:00

CLOC-2-
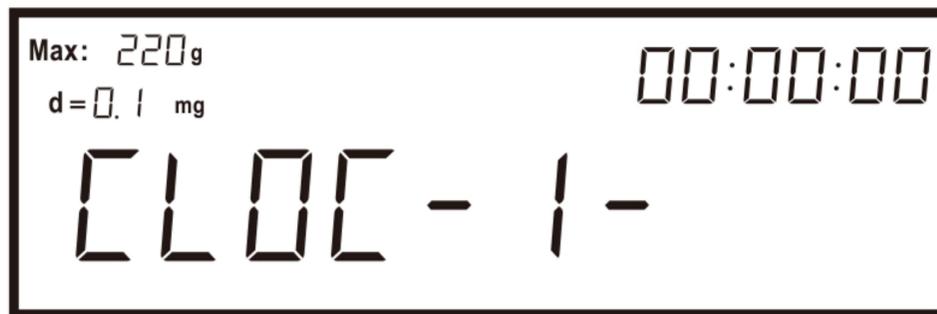
Set hour

⬇️ 00:00:00

⬇️
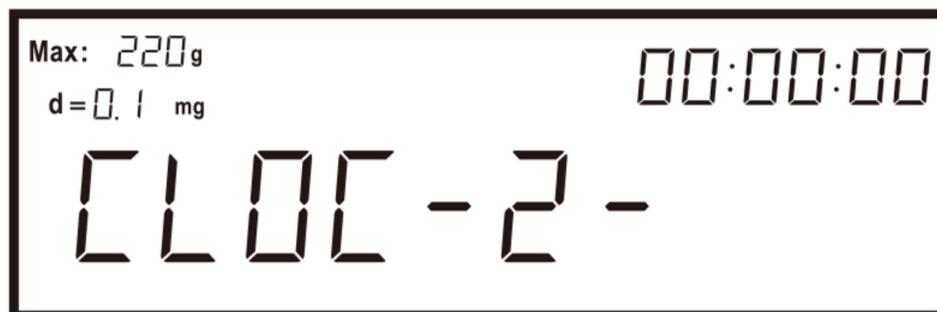
CAL 1-2-3---9   **MENU** 9-8-7---1

CAL:increase
MENU: decrease

⬇️

TARE

Save settings

4).Sensitivitysetting

MENU ➡

```
Max:  220g
d=0.1  mg          00:00:00

      SEt-A
```
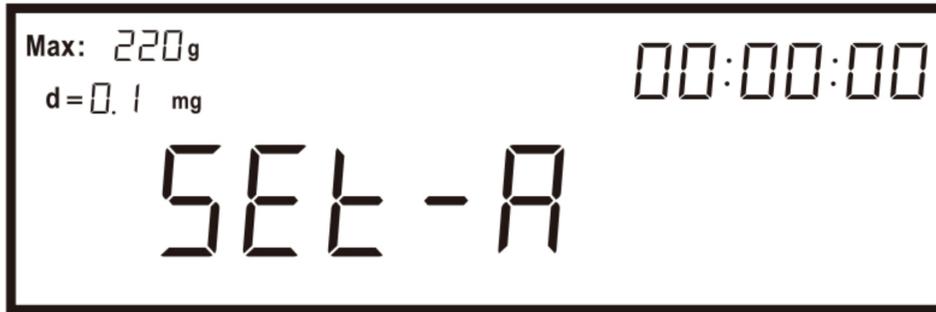
Entersensitivity setting mode

⬇

PRINT ➡

```
Max:  220g
d=0.1  mg          00:00:00

    -ASd-0-
```

-ASD-0-highest sensitivity

➡

```
Max:  220g
d=0.1  mg          00:00:00

    -ASd-1-
```

-ASD-1-high sensitivity

➡

```
Max:  220g
d=0.1  mg          00:00:00

    -ASd-2-
```
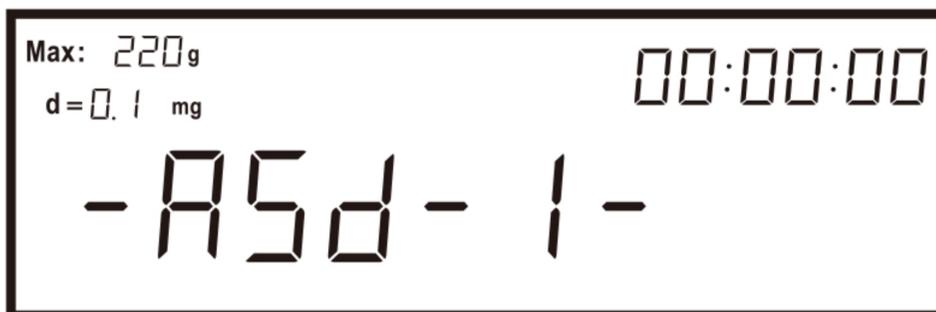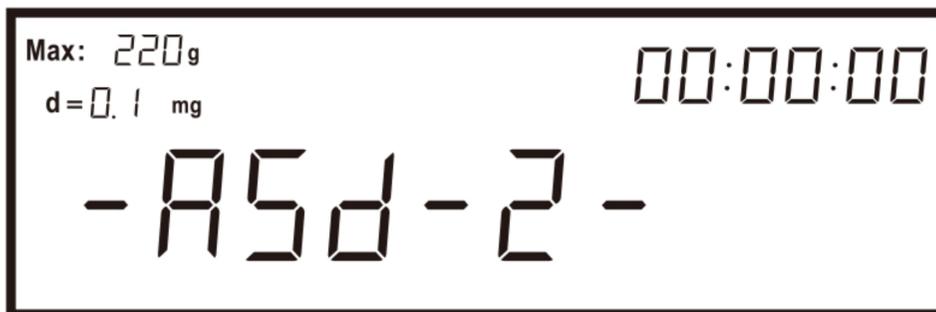
-ASD-2-medium sensitivity

➡

```
Max:  220g
d=0.1  mg          00:00:00

    -ASd-3-
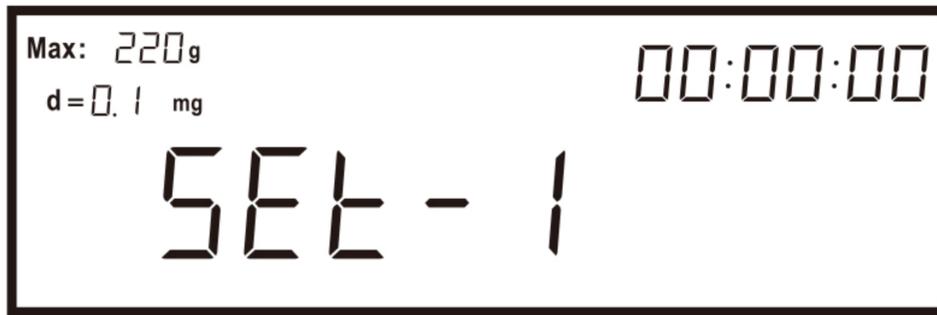```
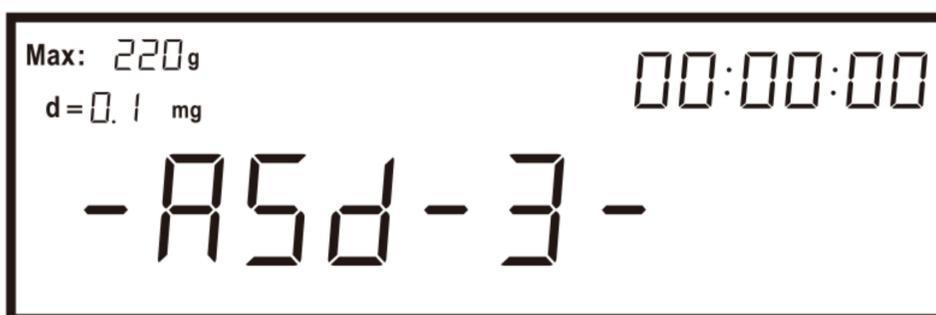
-ASD-3-LOW sensitivity

⬇

**TARE**

Save settings

REMARK:factory setting sensitivity"-ASD-3-", suitable for most using environment.
Higher sensitivity required better environment, Do not adjust the sensitivity without consulting the factory.

## 5).Filter level setting

**MENU** ➡️

| Max: 220 g | 00:00:00 |
|---|---|
| d=0.1 mg | |
| **SEt - 1** | |

Enter Filter level setting mode

⬇️

**PRINT** ➡️

| Max: 220 g | 00:00:00 |
|---|---|
| d=0.1 mg | |
| **- INt-0 -** | |
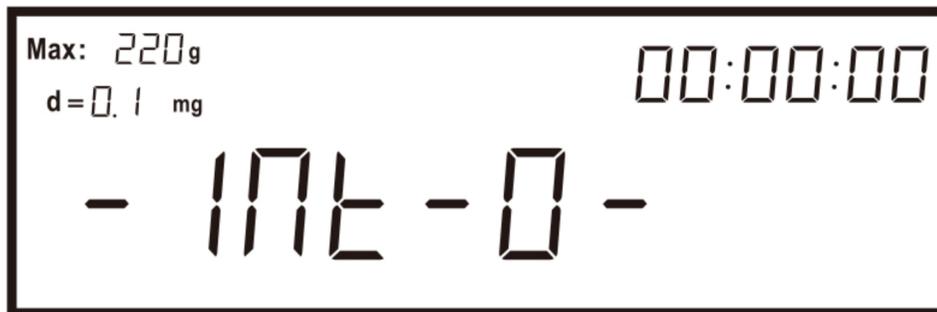
-Int-0- filter level highest

➡️

| Max: 220 g | 00:00:00 |
|---|---|
| d=0.1 mg | |
| **- INt - 1 -** | |

-Int-1- filter level high

➡️

| Max: 220 g | 00:00:00 |
|---|---|
| d=0.1 mg | |
| **- INt - 2 -** | |
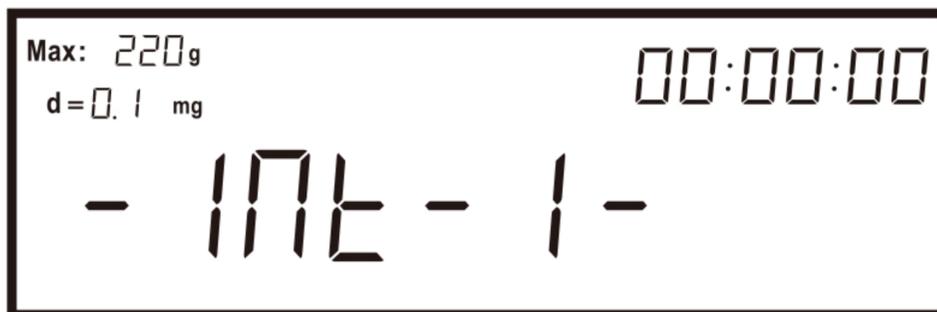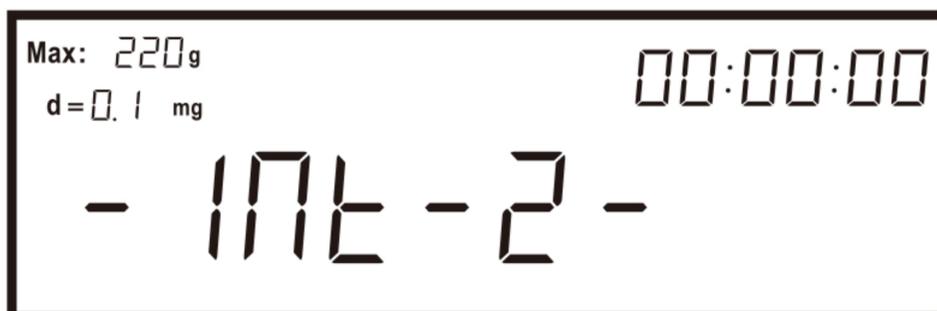
-Int-2-filter level medium

➡️

| Max: 220 g | 00:00:00 |
|---|---|
| d=0.1 mg | |
| **- INt - 3 -** | |
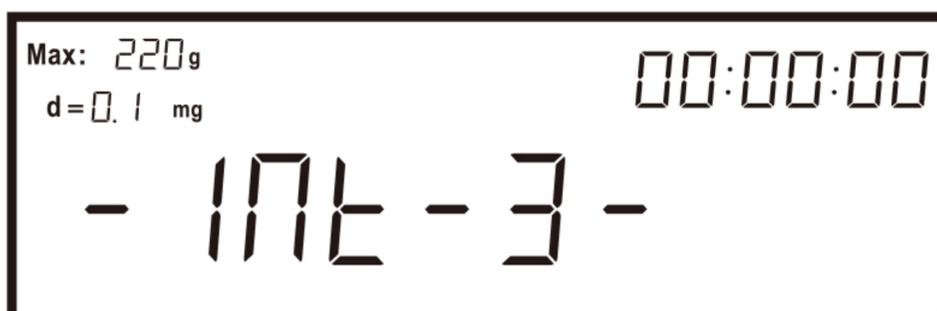
-Int-3- filter level low

⬇️

**TARE**

Save settings

REMARK: filter level is the internal calculating time of balance, factory setting is "-Int-3-", do not change by yourself without professional instruction.

## 6).Print setting

**MENU** ➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | SEt-F | |

Enter Print setting mode

⬇️

**PRINT** ➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | -Prt-0- | |

-Prt-0-press "PRINT" printing

➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | -Prt-1- | |

-Prt-1-interval 0.5s printing

➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | -Prt-2- | |

-Prt-2-interval 1s printing

➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | -Prt-3- | |

-Prt-3-interval 2s printing

➡️

| Max: 220g | | 00:00:00 |
| --- | --- | --- |
| d=0.1 mg | | |
| | -Prt-4- | |

-Prt-4-interval 3s printing

⬇️

**TARE**

Save settings

## 7).Interface Parameters

Rs232 interface:

<Connection

| Balance (9 pins) | PC/Printer(9 pins) |
|---|---|
| RXD(Input))2 -------------------------------- 2 | |
| TXD(Output)3 -------------------------------- 3 | |
| GND(Ground)5 ------------------------------- 5 | |

<Output data format

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type or data | Data | Data | Data | Data | Data or dot | Data or dot | Data | Data | Data | Unit | Unit | Unit | Return | Line feed |

## (2)OPERATION

### 1).Simple weighing

```
Max: 120g   [⚖]   00:00:00
d=0.1 mg
        0.0000 g
```
Under weighing interface

Put object on the scale pan

```
Max: 120g   [⚖]   00:00:00
d=0.1 mg
        0.5000 g
```
Get object weight

### 2).Piece counting

**MENU** →
```
Max: 220g   00:00:00
d=0.1 mg
        SEt-0-
```
Enter piece counting mode

**PRINT** →
```
Max: 220g   00:00:00
d=0.1 mg
        -COU- 10-
```
-COU-10-sample quantity
10PCS

```
Max: 220g   00:00:00
d=0.1 mg
        -COU-25-
```
-COU-10-sample quantity
25PCS
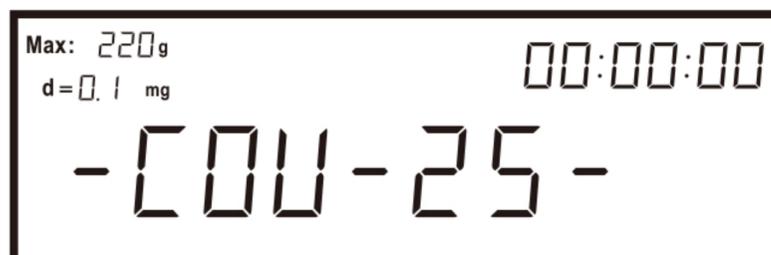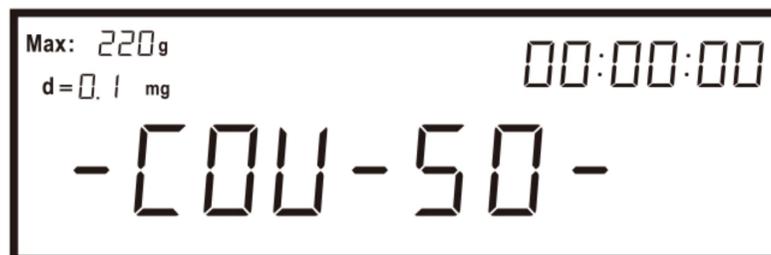
```
Max: 220g   00:00:00
d=0.1 mg
        -COU-50-
```
-COU-10-sample quantity
50PCS

**TARE**

**MENU** → | Max: 220 g | 00:00:00 |
SEt-0-

Enter piece counting mode

**PRINT** → | Max: 220 g | 00:00:00 |
-COU-10-
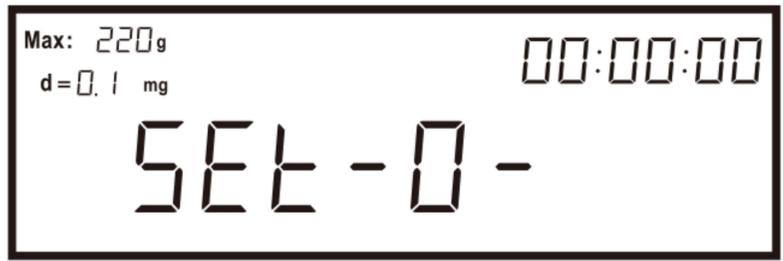
Sample quantity 10pcs(e.g.)

**TARE**

Save settings

**UNIT** → | Max: 220 g | 00:00:00 |
0 PCS
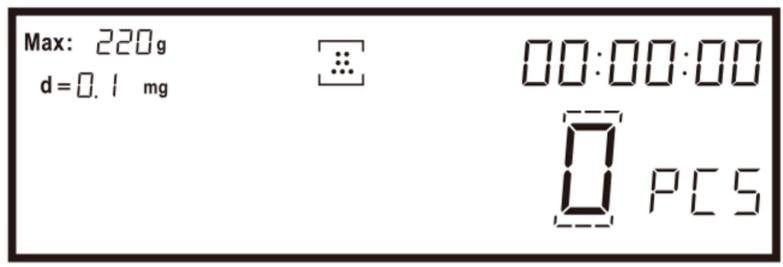
Enter piece counting interface

Put10 pcs sample according to above setting

**MENU**

Press "MENU"button to confirm the the sample weight,and start weighing

| Max: 220 g | 00:00:00 |
5 PCS

Put 5pcs sample will show 5pcs

| Max: 220 g | 00:00:00 |
15 PCS

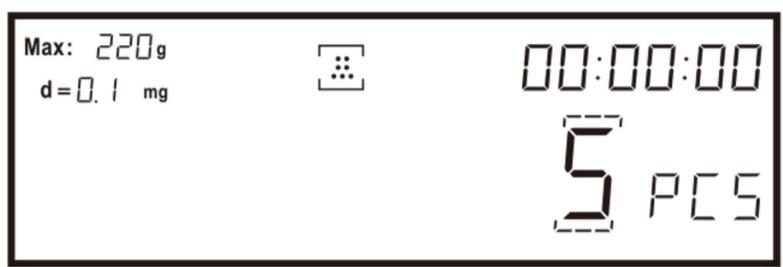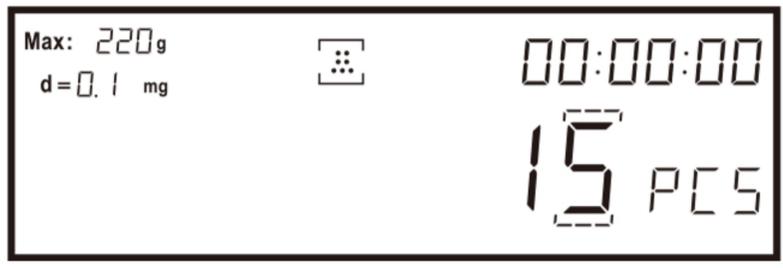put 15pcs sample will show 15pcs

Remark:If test the same sample second time, don' t need re-sampling.

3).Percent weighing

UNIT ➡ 
Max: 220g
d = 0.1 mg
00:00:00
0 PCS
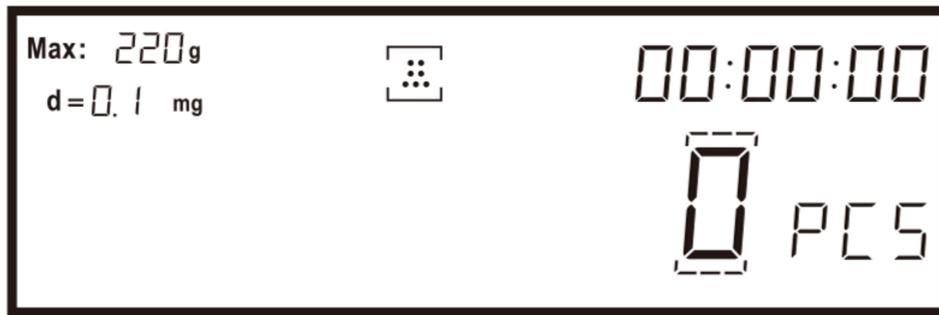
Enter percent weighing mod

⬇

Put the contrast target sample e.g.: 2pcs screws

MENU ➡ 
Max: 220g
d = 0.1 mg
00:00:00
100.00

Save the sample weight Shows"100.00"(100%)

Max: 220g
d = 0.1 mg
00:00:00
50.00

Put the contrast sample e.g.:1pcscrew,shows 50.00(50%)

Max: 220g
d = 0.1 mg
00:00:00
200.00

Put the contrast sample e.g.lpcscrew,shows 200.00(200%)

Remark:If use the same contrast second time, don' t need re-sampling

## 4).Densitydetermination(need gravity kit-optional)

**MENU** ➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

     SEt-d
```
Enter density determination mode
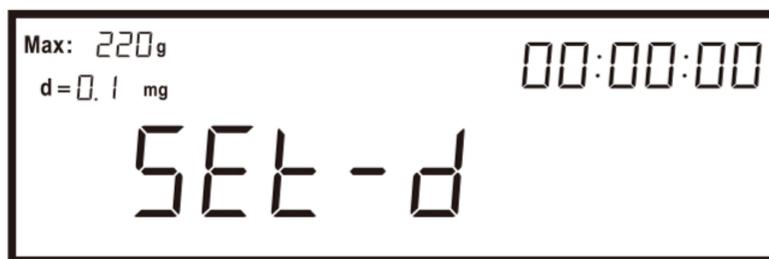
⬇

**PRINT** ➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

  -dEn-0-
```
-dEn-0-Close density weighing

➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

  -dEn- 1-
```
-dEn-1-Open solid density weighing

➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

  -dEn-2-
```
-dEn-2-0pen liquid density weighing
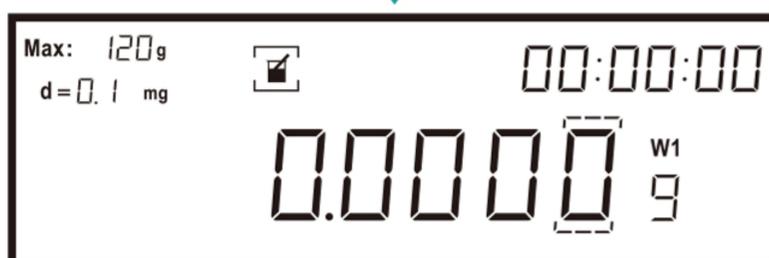
⬇

**TARE** ➡ 
```
Max: 120 g   ☑
d = 0.1 mg   00:00:00

  0.0000 W1
              9
```
Save settings,shows ☑ and "W1"

**MENU** ➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

     SEt-d
```
Enter densitydetermination mode

**PRINT** ➡ 
```
Max: 220 g
d = 0.1 mg   00:00:00

  -dEn- 1-
```
-dEn-1-Open solid density weighing

⬇

**TARE** →

Max: 120g
d=0.1 mg
00:00:00
0.00000 W1 g

Save settings, shows ☑ and "W1"

↓

**MENU** →

Max: 220g
d=0.1 mg
00:00:00
SEt-d

Press"NENU"when shows ☑

↓

**CAL** →

Max: 120g
d=0.1 mg
00:00:00
0.9999

Enter auxiliary liquid density value setting if the auxiliary liquid is water, set 1 g/cm³

↓

**PRINT** → Value increase **CAL** Value decrease

↓

**TARE**

↓

Max: 120g
d=0.1 mg
00:00:00
0.00000 W1 g

Save density value setting

↓

Put on pan 1 →

Max: 220g
d=0.1 mg
00:00:00
0.5834 W1 g

e.g.weighing screw

↓

**UNIT** →

Max: 220g
d=0.1 mg
00:00:00
0.5834 W2 g

Put on pan 2

```
Max:  120 g              00:00:00
d = 0.1 mg

     0.5082      W2
                  g
 _
```

PRINT

```
Max:  120 g              00:00:00
d = 0.1 mg

     7.7584       g
 _
```

Show result ofdensity

MENU

```
Max:  220 g              00:00:00
d = 0.1 mg

     5Et-d
```

If do not measure, enterdensity determination mode again

PRINT

```
Max:  220 g              00:00:00
d = 0.1 mg

   -dEn-0-
```

-dEn-0-Close density weighing

TARE

Exit desity determination

1.
In air

2.
in liquid

5).Dynamic weighing
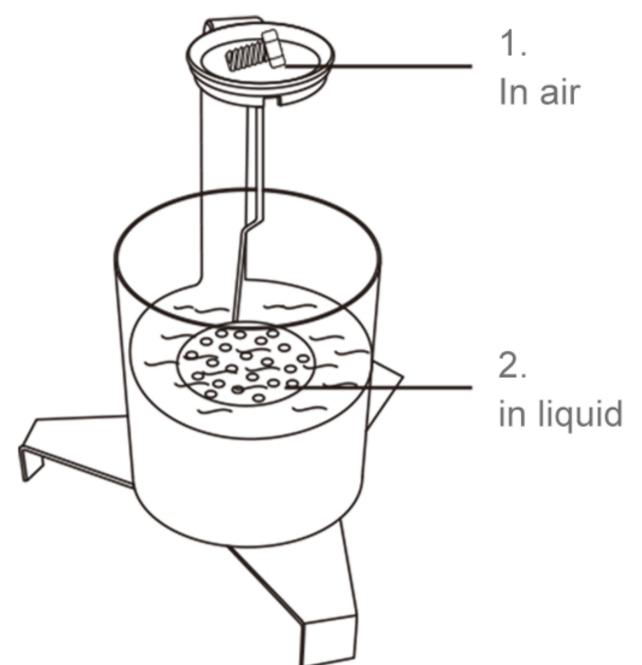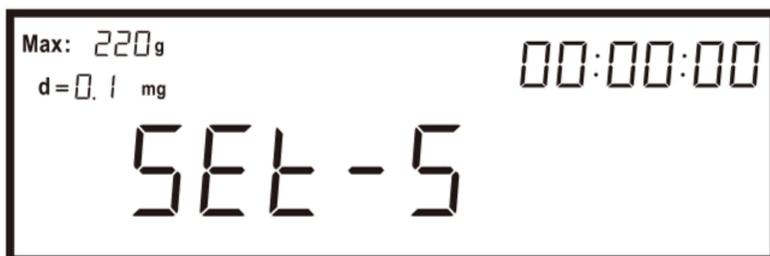
MENU →	Max: 220g 00:00:00 d=0.1 mg SEt-5	Enterdynamic weighing mode
PRINT →	Max: 220g 00:00:00 d=0.1 mg -COU- 0-	-COU-0-close dynamic weighing
→	Max: 220g 00:00:00 d=0.1 mg -COU- 10-	-COU-10-data sampling 10 times
→	Max: 220g 00:00:00 d=0.1 mg -COU-20-	-COU-20-data sampling 20 times
TARE →	Max: 120g 00:00:00 d=0.1 mg 0.0000 g	Save setting.display shows
→		Put the sample on the scale pan
PRINT →	Max: 120g 00:00:00 d=0.1 mg 61.6500 g	flicker, dynamic weighing starting
→	Max: 120g 00:00:00 d=0.1 mg 61.6521 g	stop flickering, weighing finishdisplay shows the final result
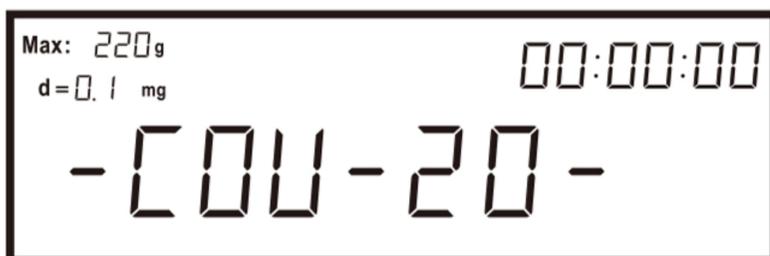
6).Summation Function

MENU ➡️

Max: 220g	00:00:00
d=0.1 mg	
SEt-E	

Enter summation function mode

⬇️

PRINT ➡️

Max: 220g	00:00:00
d=0.1 mg	
-Add- 0 -	

-Add-0-close summation function

➡️

Max: 220g	00:00:00
d=0.1 mg	
-Add- 5 -	

-Add-5- accumulate 5 times weighing value

➡️

Max: 220g	00:00:00
d=0.1 mg	
-Add- 10 -	

-Add-10-accumulate 10 times weighing value

➡️

Max: 220g	00:00:00
d=0.1 mg	
-Add- 15 -	

-Add-15-accumulate 15 times weighing value

➡️

Max: 220g	00:00:00
d=0.1 mg	
-Add-20 -	

-Add-20-accumulate 20 times weighing value

⬇️

TARE ➡️

Max: 220g	Σ 00:00:00
d=0.1 mg	
0.0000 g 0	

Save setting, display shows Σ
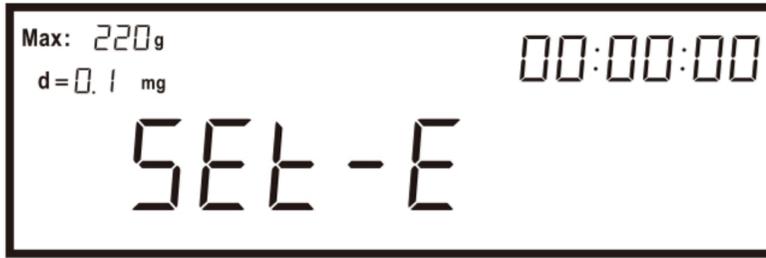
Button	Display	Description
MENU →	Max: 220 g　d = 0.1 mg　00:00:00　**SEt-E**	Entersummation function mode
PRINT →	Max: 220 g　d = 0.1 mg　00:00:00　**-Add- 5-**	-Add-5-accumulate 5 times weighing value(e.g.)
TARE →	Max: 220 g　d = 0.1 mg　Σ 00:00:00　**0.0000** g　0	Save setting, enter weighing mode
→	Max: 220 g　d = 0.1 mg　Σ 00:00:00　**0.5000** g　0	Put on target object 1 (e.g.:screw)
UNIT →	Max: 220 g　d = 0.1 mg　Σ 00:00:00　**0.5000** g　1	Record value of target object1, bottom right corner shows "1" time
→	Max: 220 g　d = 0.1 mg　Σ 00:00:00　**0.0000** g　1	Remove target object 1, balance back to zero
→	Max: 220 g　d = 0.1 mg　Σ 00:00:00　**0.5000** g　1	Put on target object 2
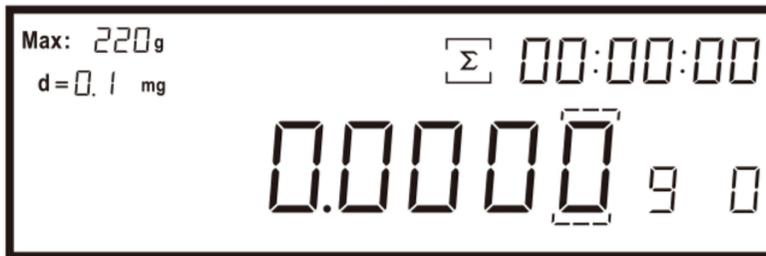
UNIT →

Max: 220g
d = 0.1 mg
Σ 00:00:00
0.5000 g 2
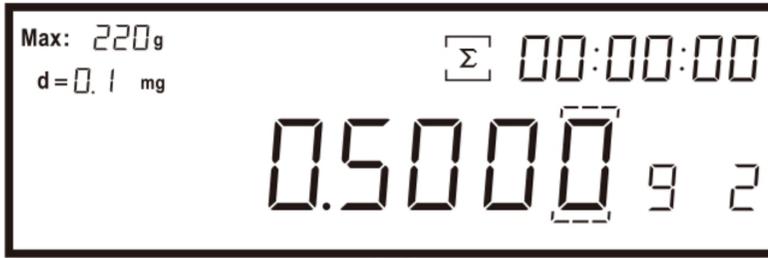
Record value of target object 1 bottom right corner shows "2" times

↓

Max: 220g
d = 0.1 mg
Σ 00:00:00
0.0000 g 2

Remove target object 2, balance back to zero

Repeat 4 times ↓

Max: 220g
d = 0.1 mg
Σ 00:00:00
0.0000 g 4
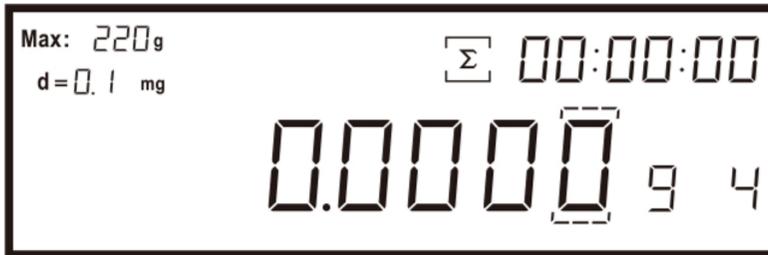
Remove target object 4, balance back to zero

↓

Max: 220g
d = 0.1 mg
Σ 00:00:00
0.5000 g 4

Put on target object 5

↓

UNIT →

Max: 220g
d = 0.1 mg
Σ 00:00:00
2.5000 g 5

Auto display 5 times accumulated weighing value

↓

MENU →

Max: 220g
d = 0.1 mg
00:00:00
SEt-E
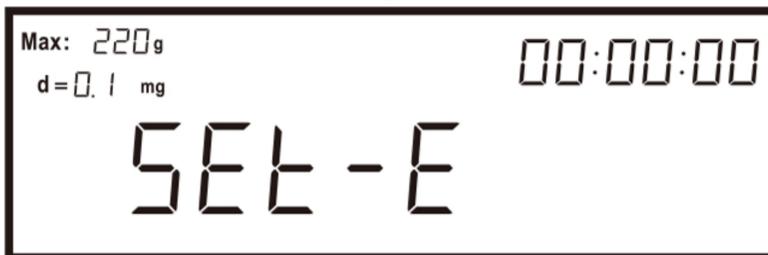
If do not measure, enter summation function mode again

↓

PRINT →

Max: 220g
d = 0.1 mg
00:00:00
-Add- 0-

-Add-0-close summation function

↓

TARE

Exit summation function

7).Pipette calibration

MENU →

Max: 220g d=0.1 mg   00:00:00

SEt-L

Enterpipette calibration mode

↓

PRINT →

Max: 220g d=0.1 mg   00:00:00

-COU- 0 -

-COU-0-close pipette calibration

Max: 220g d=0.1 mg   00:00:00
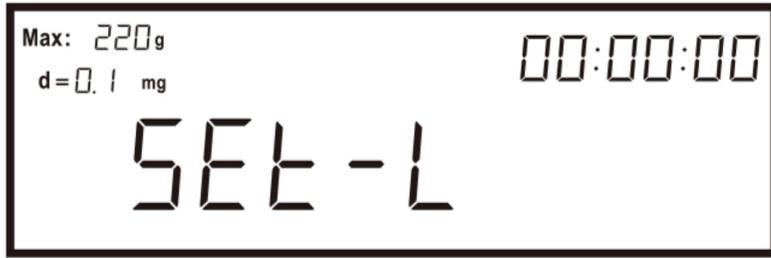
-COU- 2 -

-COU-2- get 2 times weighing value as reference

Max: 220g d=0.1 mg   00:00:00

-COU- 5 -

-COU-5- get 5 times weighing value as reference

Max: 220g d=0.1 mg   00:00:00
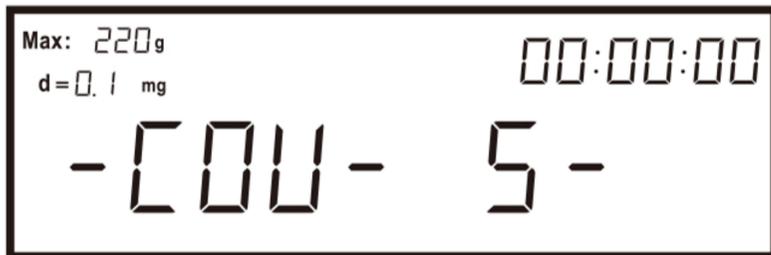
-COU- 7 -

-COU-7- get 7 times weighing value as reference

Max: 220g d=0.1 mg   00:00:00

-COU- 10 -

-COU-10-get 10 times weighing value as reference
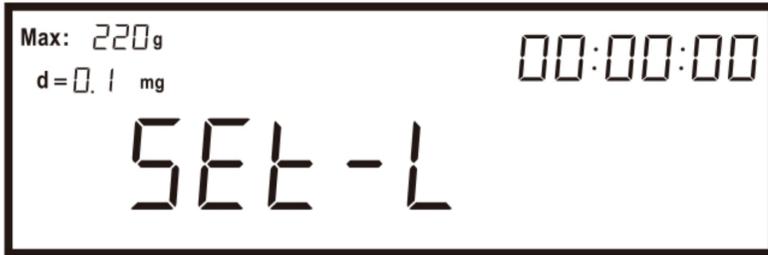
↓

TARE →

Max: 220g d=0.1 mg   00:00:00

0.0000 g o

Save settings,
enter calibration mode

MENU →
Max: 220 g
d = 0.1 mg
00:00:00
SEt-L

Enter pipette calibration mode

PRINT →
Max: 220 g
d = 0.1 mg
00:00:00
-COU- 5 -

-CoU-5 get 5 times weighing value as reference

TARE →
Max: 220 g
d = 0.1 mg
00:00:00
0.0000 g 0

Save settings, enter calibration mode

Drop 100ul 1st →
Max: 220 g
d = 0.1 mg
00:00:00
0.1000 g 0

Absorb 100ul by pipette, drop into the container 1st time

UNIT →
Max: 220 g
d = 0.1 mg
00:00:00
0.1000 g 1

Record 1st titration value

TARE →
Max: 220 g
d = 0.1 mg
00:00:00
0.0000 g 1

Remove 1st value Balance back to zero

Drop 100ul 2nd →
Max: 220 g
d = 0.1 mg
00:00:00
0.1000 g 1

Absorb 100ul by pipette, drop into the container, 2nd time

MENU ➡️

```
Max: 220g              00:00:00
d=0.1 mg
    0.1000 g 2
```

Record 2nd titration value

TARE ➡️

```
Max: 220g              00:00:00
d=0.1 mg
    0.0000 g 2
```

Remove 2nd value Balance back to zero

Repeat 4 times

Drop 100ul 4th ➡️

```
Max: 220g          Σ 00:00:00
d=0.1 mg
    0.1000 g 4
```

Absorb 100ul by pipette, drop into the container, 4th time

UNIT ➡️

```
Max: 220g          Σ 00:00:00
d=0.1 mg
    0.1000 mL
```

get dropping volume directly. if the volume equal to sampling value,calibration compelet

MENU ➡️

```
Max: 220g              00:00:00
d=0.1 mg
    SEt-L
```
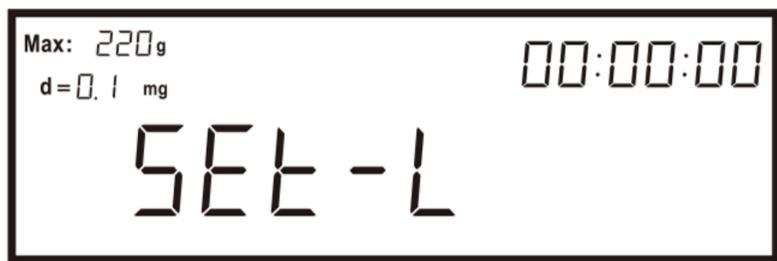
Ifdo not calibrate,enter pipette calibration mode again

TARE ➡️

```
Max: 220g              00:00:00
d=0.1 mg
   -COU-  0 -
```

-COU-0 close pipette calibration

TARE

Exit pipette calibration mode

8). Dual program switching

MENU ➡	Max: 220g 00:00:00 d = 0.1 mg **SEt-3**

Enter dual program switching

⬇

PRINT ➡	Max: 220g 00:00:00 d = 0.1 mg **-SPE-0-**

Balance default program

	Max: 220g 00:00:00 d = 0.1 mg **-SPE-1-**

The standby-program

⬇

TARE

Save settings
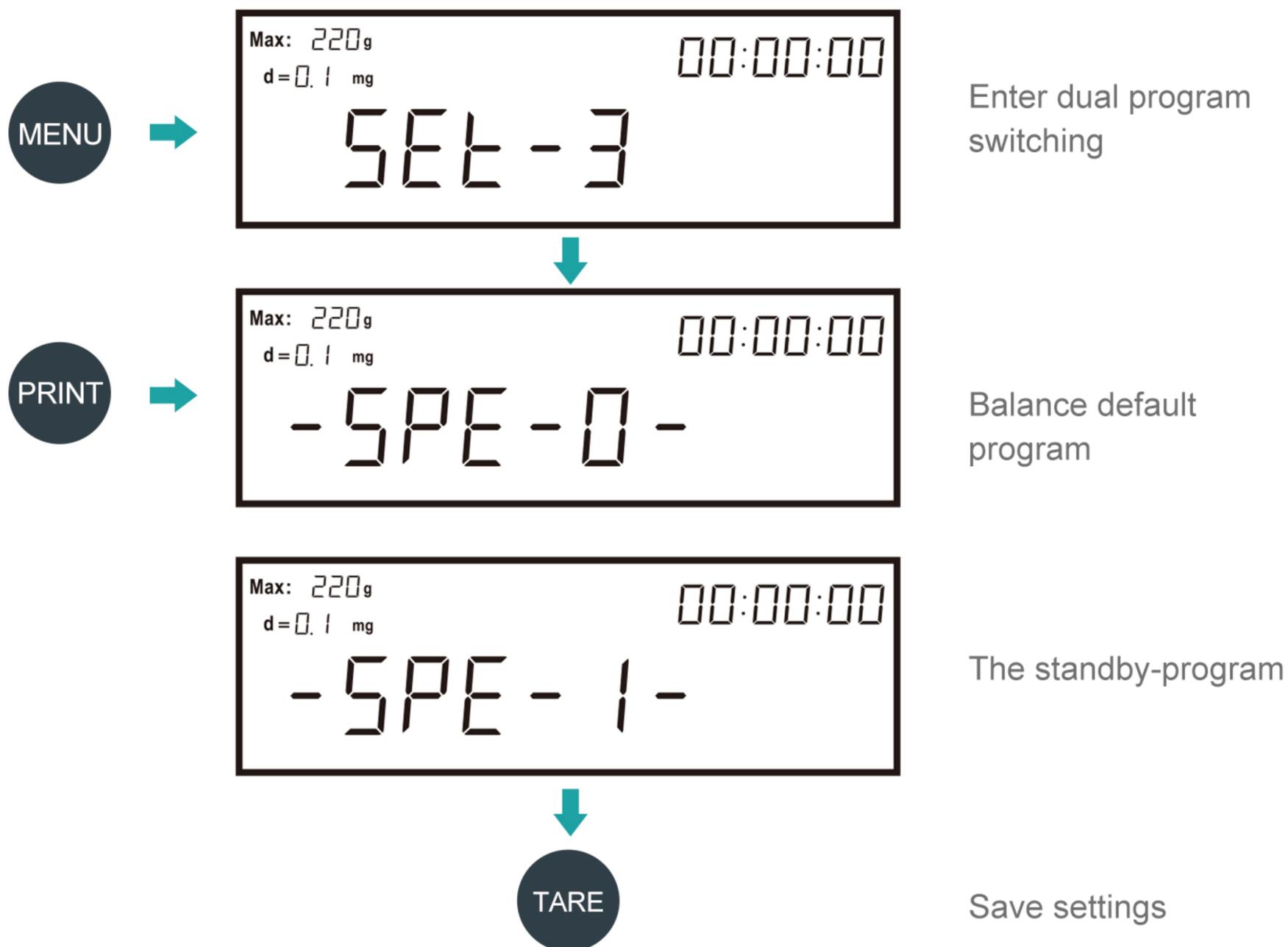
Remark: when switch to another program, please make a linear calibration again to unlock the balance.

Troubleshooting

Problem	Cause
No display	No power supply; Fuse damaged; Power transformer is damaged.
Unstable display	Bad working conditions; Air flow something between the scale pan and working table; The power exceeds its permissible value and is unstable; Static electricity.
Poor accuracy	Improper calibration; The weight ofthe recipient has notbeen tared; Big temperature difference; The balance is not horizontal.

Components List

> Balance   > Weighing pan   > weight   > Power adapter   > Instruction manual

Product Oualification Certificate

Product name: **0.01mg Dual Range Analytical Balance**

Product model: ☐ CEB1035   ☐ CEB2055   ☐ CEB2055N

Production date :

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