

WATERPROOF WEIGHING SCALE

USER'S MANUAL

Instruction Manual

NOTICE	1
Preparing Issues before Use	1
1. Product Instruction	2
1) Product Features	2
2) Product Model and Parameter.....	2
2. Functions and Operations	3
1. Turning on Scale / Zero Operation	3
2. Turning off Scale	3
3. Tare Operation	3
4. Set Operation	3
5. Power Immediate Indication	4
6. Power Charge Operation.....	4
7. Power Saving Operation	4
3. Environment Parameter Setting	4
1. Display Precision	4
2. Unit of Measurement.....	4
3. Display Brightness	4
4. Zero Tracking	5
5. Reverse Display	5
6. Stability	5
7. Energy saving function.....	5
8. Audible alarm.....	5
9. Display speed	5
4. Weighing Alarm and Counting	5
1. Set weighing alarm	5
2. Set counting	5
5. Signs Meaning	6

NOTICE

1. Do not use the scale in extreme temperature areas.
2. Do not strike and stress. (Not over the Maximum Capacity)
3. The scale should be put on an air flowing and dry place with a clean surface, and be charged every three months when it can not be used for a long time. When it needs to be used again please charge it before use.
4. As a counting meter for force check, scale should be checked termly to ensure the accuracy.
5. Do not open the lead sealing bottom of scale yourself. You should contact with the dealer or company.

Prepare Issues before Use

1. Please place the scale on the stable and flat table, no vibration. Adjust the four feet of the scale to make the scale balanced, till the air bladder of the gradienter is in the center of the circle.
2. Do not place the scale in the environment which is near to temperature extremes or ail-flowing extremes, direct sunshine or the wind alleyway of air conditioning.
3. Before opening the scale, the scale plate can not be touched with anything.
4. After opening the scale, the barycenter of scale should be located in the center of the scale plate, which will ensure the precision.
5. Scale should be charged when the power voltage is not enough after opening scale.

Product Instruction

1. Product Features

- **HACCP** international food safety standard and **CE, RoHS** approval certificates are all available.
- Designed by professional institutions and up to the IP68 Waterproof level
- More suitable for product line with anti-vibration design
- Dual Display LED
- Protection by Automatic overload alarming
- Functions of auto calibration and auto zero tracking
- Functions of weighing Alarm
- Counting
- Parameters changeable
- Voltage indication and low voltage alarm
- Auto-off power function
- Long work time with Sealed Lead-acid Battery (6V4Ah)

2. Product Model and Parameters

MODEL	006	1.5	3	6	15	30
Max. Capacity	600 g	1.5 kg	3 kg	6 kg	15 kg	30 kg
Mini. Capacity	4 g	10 g	20 g	40 g	100 g	200 g
Verification Scale Interval(e)	0.2 g	0.5 g	1 g	2 g	5 g	10 g
Actual Scale Interval(d)	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g
Max. TARE	600 g	1.5 kg	3 kg	6 kg	15 kg	30 kg
Accuracy	III					
Working Temperature	-10°C~ + 40°C					
Power supply	6V4Ah sealed lead-acid battery (With Special-purpose charger)					
Plate size	18.8 × 22.6 cm					

Functions and Operations

1. Turning on Scale/ Zero Operation

- When scale is off, press **[ON/ZERO]** key. The whole display illuminates with a serial of steps that Scale Edition number (SP-x.x) display, then system checks itself and the display screen is cleared. After the Zero indicates lighting, the display changes to indicate the gram-display, which is ready for weighting
- When scale is on, press **[ON/ZERO]** key. The display screen is cleared.

2. Turning off Scale

Scale can be turned off forcibly by pressing **[OFF]** key.

3. Tare Operation

- Place the container on the scale until the display indicates a steady weight. Press **[TARE]** key, then the display indicates 0 and the Tare indicate lighting.
- Place the weighting objects into the container, then the scale shows the Net weight.
- Move the container and the weighting objects off, then the scale will show the minus weight of the container. Then press **[TARE]** key again, the tare weight can be cleared, that the Tare indicate out and the scale is set to zero.
- ★ Can not tare while it is not stable.
- ★ Can do Tare Operation continuously till the Tare Weight equals the Maximum Capacity.

4. Power Immediate Indication

Power voltage is indicated under 3 levels. When it is displaying **L** (under Low level) and flashing, you should recharge immediately. Otherwise it will be auto turned off in 15 minutes.

5. Power Saving Operation

- You could choose to open or close the Assistant Display to save power.
- After the indicated value steadied for 10 minutes, the scale will be Auto-off.
- After the indicated is at zero for 40 seconds, the scale will show 0.

6. Power Charge Operation

The power of this scale is provided by Sealed Lead-acid Battery (6V4Ah) inside. When the power voltage indicator shows that the power is low or the LED is displaying **L** and flashing, scale should be charged by the charger in battery storehouse. While charging, the power indicator will coruscate circularly, after electric quantity is full, it will show FULL, it need about 12hrs.

Environment Parameter Setting

When scale is on, the same time press on **[SET]** and **[TARE]** key, you can enter the display of Environment Parameter Setting. Press **[TARE]** key to choose and **[ON/ZERO]** to confirm, then into next item.

PrE-Display Precision: 0 means natural, 1 means doubled precision, 2 means super precision.
Initialization is 0

Unt-Weighing unit: 0 means **g**, 1 means **kg**, 2 means **lb**.
Initialization is 1

BrE-Display Brightness: 1~3 (Bright to dim).
Initialization is 2

ZEr-Zero tracking: 0~4(0 to 4 divisions). Initialization is 2

dIS-Reverse display : 0 means closed, 1 means keeping.
Initialization is 1

FILt-Stability: 0~3(Getting to most stable, but display speed is getting to slowest). Initialization is 1

SAV: Energy saving function. 0 is closing the function, 1 is starting.

Out: Audible alarm, make complete of weighing alarm. 0 is when inferior limit < Weight ≤ cap limit, audible alarm is starting. 1 is when Weight ≤ inferior limit or Weight > cap limit, audible alarm is starting.

SPd: Display Update Speed
0 is Speed Slow. 1 is Speed Fast. The Default is 0.

After setting it will be auto turn on.

Weighing Alarm and Counting

1. Set Weighing Alarm

- (1) At zero, the same time press **[SET]** and **[ON/ZERO]** key to set. Now display rAng.
- (2) Press **[ON/ZERO]** to confirm, the inferior limit indicate lighting. Now press **[SET]** to change the digit, press **[TARE]** to change the value, press **[ON/ZERO]** to confirm. Then the cap limit indicator is lighting and enters to set cap limit. The same as set inferior limit.
- (3) After setting it will be auto turn on. Now if,
Weight \leq inferior limit, the inferior limit indicator is lighting.
Inferior limit $<$ Weight \leq cap limit, accept indicator is lighting.
Weight $>$ cap limit, the cap limit indicator is lighting.
- (4) When the cap limit value is 0, the function will be closed.
- (5) If re-set the weighing units, the function will be closed.

Note: Please know the units and precision clearly, in case of any error.

2. Set Counting

- (1) Under the unit kg or g, place given value sample on the pan, then the same time press **[SET]** and **[ON/ZERO]** key to set. Now display PCS. Press **[ON/ZERO]** to confirm, then it displays 00000. Now press **[SET]** to change the digit, press **[TARE]** to change the value, press **[ON/ZERO]** to confirm. After setting it will be auto turn on, enter counting and counting indicate lighting.
- (2) The data will be saved when power on again. If re-set weighing units or display precision, the function will be closed. Please re-set.
- (3) Under the unit lb, no counting functions.

Signs Meaning

- **SP x.x** Version
- **nnnnn** Indicate that the weighting object is overloaded.
- **- - - - -** Turn on zero is lower or higher, please reduce and add weighing. Or re-calibrate.
- **- Lo -** A reminder that it will shut off in 1 minute, power should be charged since the power voltage is too low.
- **FULL** Power has been charged fully.