

Operation Manual For Water Proof Weighing Platform Scale

Thank you for your choice and use of our electronic scale and please carefully read the following operation manual before using it.

Reminder:

1. Please check the weighing performance of the scale before it is used every day and stop to use it if something wrong is found.
2. It is strictly prohibited to overload the scale at any time, if the scale is overload, its load cell may be damaged.
3. Please recharge the scale when [LobAt] is seen. Otherwise, the life span of the battery will be affected.
4. The battery recharger delivered with the scale must be used for recharging. Otherwise the scale will be damaged by other battery recharger.

I. General Description

ACS series electronic scale is adopted by high precision 20 digit A/D chip and water proof load cell with high accuracy. It is featured by such advantages as proof water, proof moisture, accurate weighing result, quickness, stable performance and reliability. It also has the function of counting, weighing, speed charge and etc. It can be used in the normal condition for weighing and also in the condition where the quickest weighing and packaging is needed, for example in the production line.

II. Main Technical Specification

1. Weighing Capacity: 60kg/20g 、 150kg/50g 、 300kg/100g 、 600kg/200g、 1000kg/200g
2. Accuracy Class: III
3. Automatic zero setting when it is on and zero automatic tracking.
4. Easy to use, there are only three function keys.
5. It will alarm when the voltage of the battery is low and auto shut down.
6. Good performance resisting vibration.
7. Power: AC and DC alternatively, DC 4V/4AH (built-in rechargeable battery)
8. Working Temperature: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
9. Water proof and moisture proof.

III. Operation procedures

The scale should be placed in the floor that is stable and first and can be adjusted to the horizontal position by adjusting four feet at the bottom of the scale.

1. **Turn on/off:** The scale is turned on by pressing **【ON/OFF】** key, **【SF-xxx】** is seen in WEIGHT window, xxx is for weighing capacity, and then self checking goes on, and then the scale can be used after "0" is seen in the window. The scale turns off by pressing **【ON/OFF】** key again;
2. **ZERO:** When operated, if the zero shift is found, please press **【ZERO】** key and then the weight can return to the zero place (Zero ranges: $\leq 4\%FS$, it is not effective when it is tared)
3. **TARE:** press **【TARE】** key, the weight shows 0, when the light "Tare" lights, it shows net weight. When objects are removed, the scale shows negative, then press **【TARE】**, the scale turns to 0, the light "Tare" off. (Tare range $\leq 100\%FS$, it is not useful when the weight is negative)
4. **POWER SAVING:** The scale will automatically enter into the energy saving status after seconds when the WEIGHT windows shows [0.00] and the weighing process is not operated. The backlight for the LCD series products is closed. For the LED products, it becomes "0". It will automatically resumes to work when operating the weighing.
5. **Activate the backlight (for LCD series products)**
By pressing and holding **【TARE】** key for three seconds, the backlight is on and turn off the backlight by doing the same way.

6. Alarm for lower voltage of battery

When the scale is turned on and in process of the weighing function, the display [LobAt] is seen in the window, it means that the voltage of the battery is too low and it is necessary to be charged immediately.

7. Weighing speed adjustment: When in weighing mode, press [FUNC] and [ZERO] at the same time and last for 3 seconds.

1-fastest, 3-slowest

8. Division value modify: press [FUNC], enter 3 (press [ZERO] modify number), show [d x], press [ZERO], choose the need division value, then press [FUNC] and quit.

IV. Attentions

1. For battery:

When the scale is turned on and in process of the weighing function, the display [LobAt] is seen in the window, it shows that the power in the battery is not enough and it is necessary to be charged immediately by turning off the scale. Otherwise, the life span of the battery will become shorter.

2. How to charge:

When the indicating lamp in the charger is lit, the battery is recharged (The recharging is quicker in case the scale is turned off). More than 12 hours are needed when recharged. If the scale is not be used for a long time, the scale should be recharged every two months.

Note; 1) It is suggested to charge more than three hours when the light of the charger is turned from the red to the green.

2) The user must use the charger supplied with the scale and must not use other charger that may damage the scale.

3. Easy test of the weighing performance:

Before used every day, the same poise or same object putting on the scale should be compared every day before the scale is used. If there is something wrong, the scale can not be used and should be repaired.

4. The scale can not be used together with the high power equipment by sharing the same power supply.

5. Please take the scale to the Quality Supervision Department in your country to check it compulsorily.

V. How to calibrate

When scale is not accurate, please be calibrated as follows:

1. Warm-up more than five minutes when the power on.

2. Press [ZERO], Restart, the scale displays [L XXX],

3. Load weight values shown xxx, units are kg.

4. After it stabilizes, press and hold [FUNC], after 3 seconds, the scale [S-OFF], the calibration is finished.

VI. Failure and Solution

1. [FULL] --- overload. You should move the object on the scale and otherwise the scale may damage the load cell.

2. [LLLLL] --- The zero position of the load cell is negative. Please check the instrument and load cell.

3. [LobAt] --- The voltage of the battery is too low and it is necessary to charge the battery.

4. [-----] --- The parameter already calibrated is lost and the scale is locked. It is necessary to calibrate the scale once again.

5. [Err8] --- The weight of the load is too light when being calibrated.