



WATERPROOF  
WEIGHING SCALE  
FSS ISS

# User Manual

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

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 overloaded, 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.

## **I. General Description**

FSS series electronic scale is adopted by high precision 24 digit A/D chip and waterproof 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 change 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: 3kg,6kg,15kg,30kg
2. Accuracy Class: III;
3. Automatic zero setting when it is on and zero automatic tracking
4. It is easy to use and only one function key is available
5. Rechargeable battery shuts down automatically when the voltage is not enough
6. Good performance resisting vibration
7. Power: AC and DC alternatively, DC 6V/5Ah ( built -in rechargeable battery)
6. Working Temperature: -10℃--+40℃
7. Water proof and moisture proof

### III. Operation explanation

The scale should be placed in the floor that is stable and flat 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, [SFE-xx] is seen in WEIGHT window, xx 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/TARE FUNCTION:** When operated, if the zero shift is found, please press **【ZERO/TARE】** key and then the weight can return to the zero place ( Zero ranges:  $\leq 4\%FS$ , it is not effective when it is tared) If the gross weight is more than  $4\%FS$ , press **【ZERO/TARE】** and the weight is seen as zero, and the lamp for the TARE is lit and at this moment, the display is for net weight. After removing the weight on the scale, the weight is seen as the negative value, and press **【ZERO/TARE】** key again, the weighing weight returns to the zero, the lamp for the TARE is gone out ( Tare Range  $\leq 100\%FS$ , the tare can not be done when the weight is negative).

**3.Power Save Function:** When the WEIGHT window is in [0.0] and no operation is in process and after few seconds, the scale can enter the status of power save function. The backlight for the LCD series product can shut down the backlight and for the LED series product, "0" can be seen in the screen. When it is operated again, it resumes to working status automatically.

**4.Backlight On/Off ( for LCD series):** Press and hold on **【TARE】** key for 3 seconds, the backlight can be turned on or turned off in the way.

**5Automatic Off:** The scale turns off automatically when [LobAt] is seen for 10 seconds. When the voltage is not sufficient, [LobAt] is seen every 1 minute and then the scale turns off after 8 times when weighing.

## IV. Attentions

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

**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 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 can 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

## IV. How to calibrate

When the scale is found incorrect, please calibrate the scale in the following procedures.  
(Tare—shift, Zero—add, FUN—confirm & count)

1. Keep pressing FUN key and turn on the scale, display CAL-1;
2. Press FUN key, It shows the capacity C 00. Press Zero and Tare Key to change the capacity value;
3. Press FUN key to confirm and show decimal point dp-x, press Zero key to change it;
4. Press FUN key, show 0. Press TARE key twice, then press FUN key, it shows H00000.
5. Put the test weight, press ZERO and TARE keys to enter the correct weight value, press FUN key to confirm, calibration done.

## VI. Functions(Press Zero or Tare to choose, press FUNC key to confirm)

CAL-2 Calibration capacity with decimal point, e.g. 1.5kg, 7.5kg

CAL-3 Set Point: no – off, In--Intermediate value alarm, out – high value alarm.

CAL-5 Baud rate: 1200, 2400, 4800, 9600.

CAL-6 Light

CAL-7 Unit kg to lb: OFF, ON

CAL-8 Unit kg to lb/oz: OFF, ON

CAL-9 Transfer Format: "0"-- horizontally, "1"-- vertically,

CAL-10 Communication Protocol: "0" – no transfer,

"1"—continuous output,

"2"---Stable output,

"3"---Stable continuous output;

## VI. Functions(Press Zero or Tare to choose, press FUNC key to confirm)

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