XY-WP Series Waterproof Scale

USER MANUAL

CATALOG

Ⅵ Packing List

WP waterproof scale	1set
Instruction Book	1 copy
Waterproof adapter	1
Approval Certificates	1

Ⅰ About the Waterproof Scale

Thank you for selecting the XY-WP Series Waterproof Scale.

This Instruction Manual will guide you how to use it.

XY-WP series waterproof scale is new product,using the high precision sensor and importing the integrated circuit.The product enjoys stable and reliable performance, easy to operate.

FEATURES:

• Colorful appearance，simple and stylish，LED display；

• Easy to operate，Changing the units ，XY-WP Series waterproof scale through the IP68 certificates with waterproof and dustproof，It can be used all kinds of harsh environment(cold storage,saltworks,etc);

• Full range taring,Overload,underload display,failure alarm;

• AC/DC,6V 5Ah Rechargeable battery, The battery can be recharged repeatedly;

• Double display.

Model	XY-WP
Capacity	3kg-30kg
Resolution	0.1g/0.5g/1g/2g/5g
Accuracy Level	III
Repeatability	±2d
Linearity	±3d
Stable Time	≤0.5 Sec
Operating temperature	17.5℃～22.5℃
Pan Size	190X235mm
Overall Dimensions	287*271*127 mm
Calibrate Mode	External Calibration
Net Weight	4.0kg
Gross Weight	4.5kg
Packing Size	330*350*180mm
Interface	without

Ⅱ **Cautions**

2.1 SETTING UP THE BALANCE

1）Please opening the package carefully and Taking out the waterproof scale gently.Keep the package box well for after-sales service.

2) First,Put the pan on scale,Then connect power adapter with waterproof scale， Finally plug in the power and wait to start.Please place the pan correctly,or the scale will indicate that can not weight.

2.2 CHOOSING THE WORKING ENVIRONMENT

XY-WP series waterproof scale should select the working environment according to the following requirements when weighing in the conventional industrial metrology room:

(1) Keep workshop clean and dry;

(2) Place the waterproof scale on the worktable with smooth and steady;

(3) Keep the table away from the door and windows,for reducing the influence of the air flow caused by opening door and windows;

(4) Place worktable in a less vibration room ;

(5) Place the scale that keep away from places where the temperature is changed easily,such as the direct sunlight and the heater,etc.

(6) Don't connect with large machines or noisy devices, so that avoid the interference from other devices .

(7) The drying environment is easy to cause static electricity, The users can take corresponding measures to avoid the static electricity,So that do not have any impact for weigh.

(8) Keep the scale away from objects and equipment with magnetic or magnetic field.

(9) Waterproof scales shall not be used in areas with explosive hazards.

5.2.6：F-6 Check weighing

Enter the check weighing setting，

1.Setting the down limit weight：TARE:next digit，"→0←"adjust digit

2 Setting the upper limit weight：TARE:next digit，"→0←"adjust digit

Press ƒ display END back to weighing state.

Ⅵ **Trouble Shooting**

Trouble	Reason	Resolution
No display	1.Not have power； 2.Lower voltage； 3.battery can not in charge； 4.Above exclusion	1.check the power adopter connect or not； 2.In charge in time； 3.check the battery connecting； 4.contact the factory
Weighing not stable	1. Operation Environment； 2.something insert the pan and scale body； 3.The sample not stable； （Absorbent substance）	1.keep the operation environment stable turn off other instrument； 2.take off the things between pan and scale case；
Weighing not accurate	1.Not calibration； 2.No tare before weighing； 3.No adjust level；	1.Calibrate balance； 2.Press →0← tare； 3.Adjust leveling.
CE-Err	Show CE-Err when power on，Checking battery error	Re plug the power adopter and check the battery connecting
- Err -	Fast calibration display-Err-:put error weight	Check the weight meet the calibration value
	1. Limit setting：down＞upper 2. Upper beyond capacity	1.Reset limit value 2.Check the capacity

6. Press *f*: br-0(br-0 the brightest/br-3 the darkest),press **TARE** choose;

7. Press *f*: ps-00(ps-00 no power save/ps-01 power save /ps-2 turn off back display),press **TARE** choose;

8. Press *f*: E-0(Zero point enlarge,E0 to E8),press **TARE** choose;
    0=0.5e.....8=8e，1e=1d，

9. Press *f*: P-ON(check weighing ON/OFF),press **TARE** choose;

10. Press *f*: to-ON Zero tracking, to-OFF   no zero tracking

Press *f* show end back to weighing,function setting complete.

5.2.2：F-2 One point calibration setting
Custom can use any weight to calibrate the scale (we suggest the weight need :1/5 capacity ＜ weight ＜full capacity),

Put on the standard weight on the weighing pan，enter the calibrate weight setting，（TARE:next digit，"→0←": select digit），press *f* calibration，calibration complete，it will back to weighing state.

5.2.3：F-3 Dual range setting
Enter the dual range setting：FUNC-1 : single range，FUNC-2 dual range.Press *f* confirm and back to weighing state.

5.2.4：F-4 Internal code showing
Confirm the internal code will display the internal code.
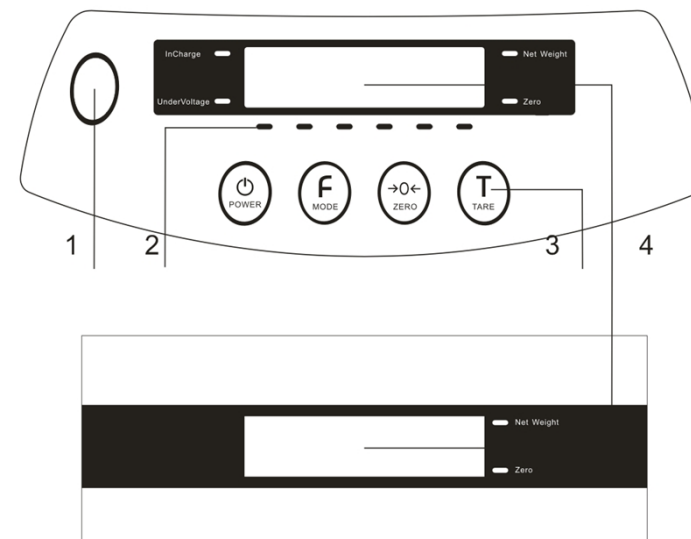
5.2.5：F-5 Three point calibration
Enter the 3 point calibration， and put on the standard weight what it showing in the display.

2.3 THE PREPARATION BEFORE USING
Before using the waterproof scale,the user should put it horizontally.Then level it by using the adjust feet. The bubble should be adjusted in the centre of bubble level .

III KEY AND DISPLAY

3.1 LED DISPLAY AND ICON

1.The leval of bubble；
2.Function light（Including voltage,checking,units and weight state）；
3.The key areas   4. display

The key Name	The key function
Power	Turn on/Turn off
Function	Function Menu
→0/T←	Zero、Confirm
Taring	Tare

3.2 TURN ON DISPLAY

```
F5-7.1
```
The current program version number.

```
C-06
```
Capacity：6kg

```
dC- 6.0
```
Current voltage detection：6.0 V

IV Calibration

When the scale is used for a long time,because of environment factors,such as temperature,humidity,etc,It may cause the small error of the scale.We can calibrate scale to make it accurate . Therefore,when the user orders one new scale or the waterproof scale is removed from one place to another.we must calibrate it.

4.1 CALIBRATION WEIGHTS

According to the requirements, prepare standard calibration weights, and choose different weights according to different models as follows:

Waterproof scale	Calibration Mass
XY-WP	1/3 capacity mass

4.2 CALIBRATION METHODS

Keep the scale in the stable environment and stable table,Warm up the balance for 30 minutes.

Simple calibration ways

1）Turn on the scale it shall display the weighing mode as "0.0",Put the mass with 1/3 capacity;

2）When the weight is stable，Press"Function+Zero",It indicates "CAL"

3) When the display indicates the data as same as mass,Take way the mass.When the "0.0" is showed. The calibration is finished.

Note::After calibrating the scale，If the waterproof scale still can not meet the requirements of weighing accuracy.Pls contact with us to get the solution ways.

•SPPED SETTING：Press"Function+Tare"，The scale will indicates :"F".

F means high speed,"M"means medium speed, "L"means low speed.

Ⅴ Charging Function

5.1 Charging Function

XY-WP waterproof scale with rechargeable battery,for improving the effficiency and cycle of products effectively,we need to maintenance and use the battery correctly.

UnderVoltage ▭ ：When the power is low， The undervoltage light of scale will flashing,It reminds the user the scale needs to be charged; if used continuesly,it will be turned off.

InCharge ▭ ：When charging the scale，connecting to the power adapter，turn it on， The charging light is shining,it means the scale is charging. In common,It takes 8-10 hours to charge it well.When the charging light does not flash,the battery is full.Users remove the power adapter and use the scale normally.

Note:When charging the scale,It must use the waterproof adapter,which from original factory,Avoiding the high voltage or short circult of power adapter to burn the waterproof scale.

5.2 Function Setting

Power On：

FS---7.2	Version No	C---xxx	capacity
DC--- 0.0	Battery Power	0 dark light	Power saving state

5.2.1 **F-1 Function Setting**

Power on and press"F" enter function setting.

1. f: next step "→0←": Enter and add Tare:next digit;

2. When show CAL-1,press **"0"** will show F-2,press f and choose capacity (C—1.5、03、06、7.5、15、30);

3. Press f: d-(01,2,5,10)(resolution) press **TARE** choose;

4. Press f: dp-(0,1,2,3)(Decimal digits) press **TARE** choose;

5. Press f: UN-00g(units select) UN-01:kg, UN-02:lb,UN-03 CT,press **TARE** choose;