

INSTRUCTION MANUAL



PHPLUS2 Bluetooth 5 In 1



Water Quality Tester

PARAMETER

|                       |                                         |                                                                               |
|-----------------------|-----------------------------------------|-------------------------------------------------------------------------------|
| pH                    | Range                                   | 0.00-14.00 pH                                                                 |
|                       | Resolution                              | 0.01 pH                                                                       |
|                       | Accuracy                                | ±0.05 pH                                                                      |
| EC                    | Range                                   | 0-9990µS/cm; 10.01-19.99 mS/cm<br>20.1-200.0 mS/cm                            |
|                       | Resolution                              | 1µS/cm; 0.01mS/cm; 0.1mS/cm                                                   |
|                       | Accuracy                                | ±2% F.S                                                                       |
| TDS                   | Range                                   | 0-999ppm; 1000-9990ppm; 10.1-100.0 ppt                                        |
|                       | Resolution                              | 1 ppm; 10ppm; 0.1ppt                                                          |
|                       | Accuracy                                | ±2% F.S                                                                       |
| Salt                  | Range                                   | 0.01-25.00 %                                                                  |
|                       | Resolution                              | 0.01 %; 1ppm; 10ppm; 0.1ppt                                                   |
|                       | Accuracy                                | ±2% F.S                                                                       |
| Temp.                 | Range                                   | 0.1℃-60.0℃; 32.1℉-140.0℉                                                      |
|                       | Resolution                              | 0.1℃; 0.1℉                                                                    |
|                       | Accuracy                                | ±0.5℃                                                                         |
| Calibration           | pH                                      | 6.86/4.00/9.18 or 7.00/4.00/10.01<br>(Optional two sets of calibration modes) |
|                       | EC/TDS/Salt                             | 1413µS/cm; 12.88 mS/cm; 111.8 mS/cm                                           |
|                       | Calibration records can be viewed       |                                                                               |
| ATC Temp.             | 0.1℃-60.0℃                              |                                                                               |
| Environment           | 0.1℃-80.0℃ RH: max 90%                  |                                                                               |
| TDS Factor            | 0.1-3.0 (Factory Default 0.5)           |                                                                               |
| EC Temp. Compensation | 0.1-3.0 %/℃ (Factory Default 2.0 %/℃)   |                                                                               |
| Bluetooth             | mobile bluetooth 5.2 Version            |                                                                               |
| Backlights            | with backlights, support mobile control |                                                                               |
| Data                  | Save                                    | save as Excel sheet                                                           |
|                       | Printing                                | support                                                                       |
| Waterproof            | IP67                                    |                                                                               |
| Power                 | 3*1.5V (LR44) low battery indicator     |                                                                               |
| Dimensions/Weight     | 167*37*37mm (7.36*1.46*1.46 in) / 95g   |                                                                               |
| Electrode             | Replaceable                             |                                                                               |

BUTTON



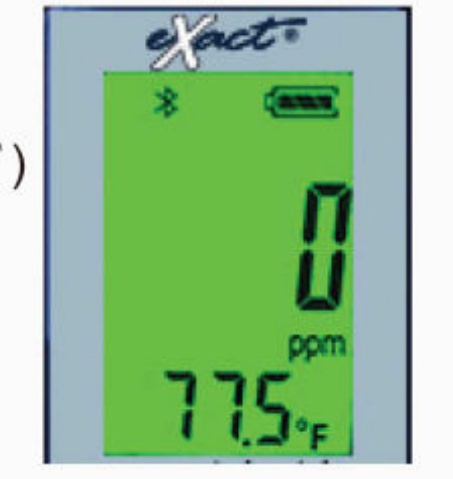
- 3\*1.5V LR44 Battery
- HD LCD Display
- HOLD/TEMP
- MODE/CAL
- ON/OFF
- Immersion line
- Protective Cap

OPERATION

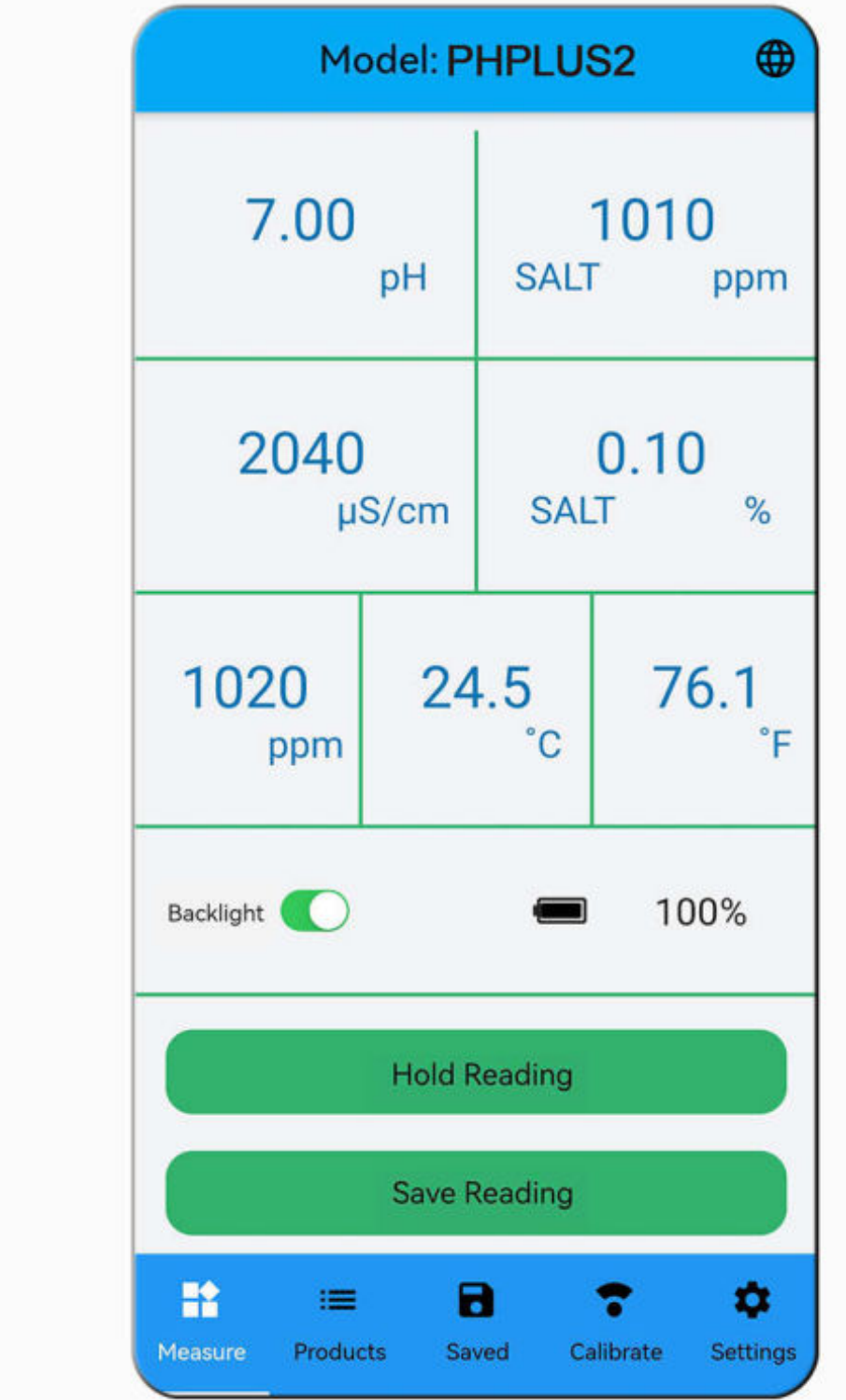
- Scan the QR code to download the APP.  
"YINMIK"  
  
  
(IOS)  
  
(Android)  
Click can switch between Chinese and English.
- Turn on the meter by pressing "ON/OFF".
- Put the electrode into the testing solution, Wait until the testing is stabilized. Press "MODE" button to convert Salinity, EC, TDS and pH Mode. Press "HOLD/TEMP" to HOLD the testing. Long press "HOLD/TEMP" button to convert temperature between ℃ and ℉.

Bluetooth Function:

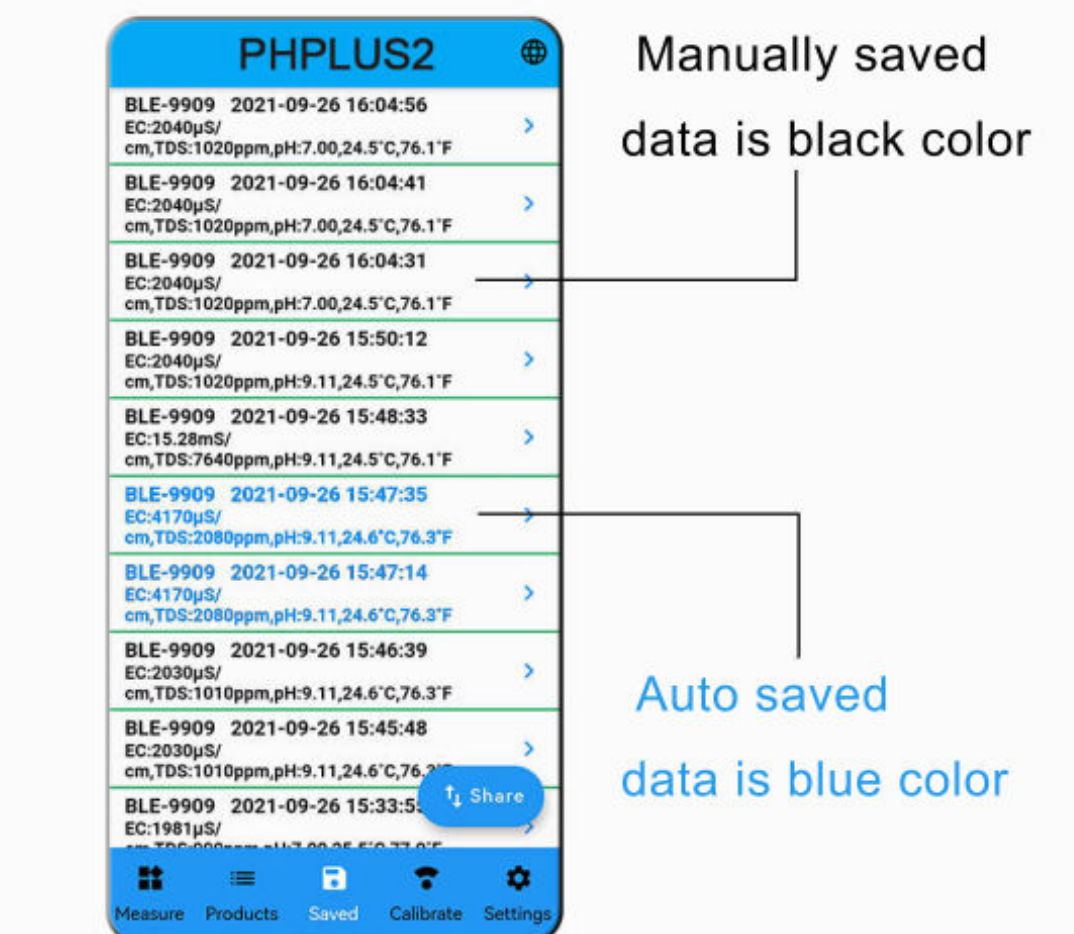
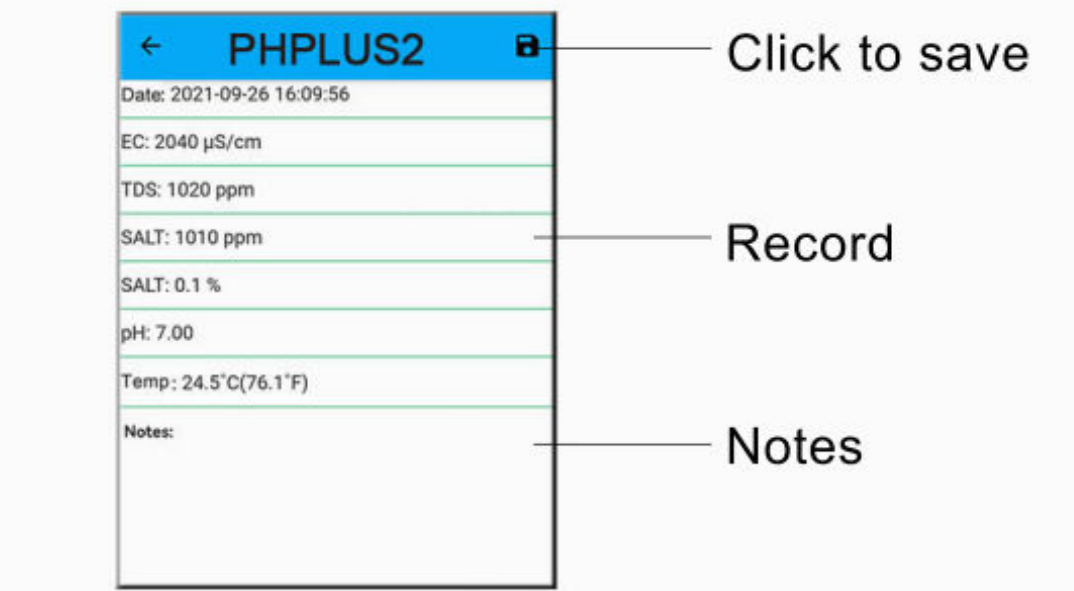
long press "ON/OFF", will display on the screen. Open the APP, APP will match the meter model automatically. Press in APP, All testing results (µS/cm/ppm/%/pH/℃/℉) can be viewed on the APP. Model number display on top of the screen.



- Backlight Off  
 Backlight On
- 100% Battery power
- Hold reading, is on the screen.

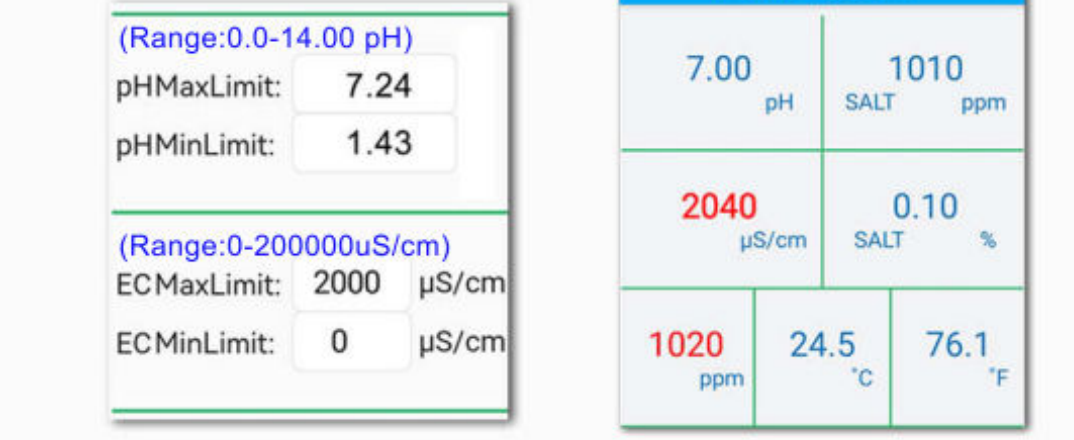


- Save Reading Manually save  
Press to save. Press to view measurement record.

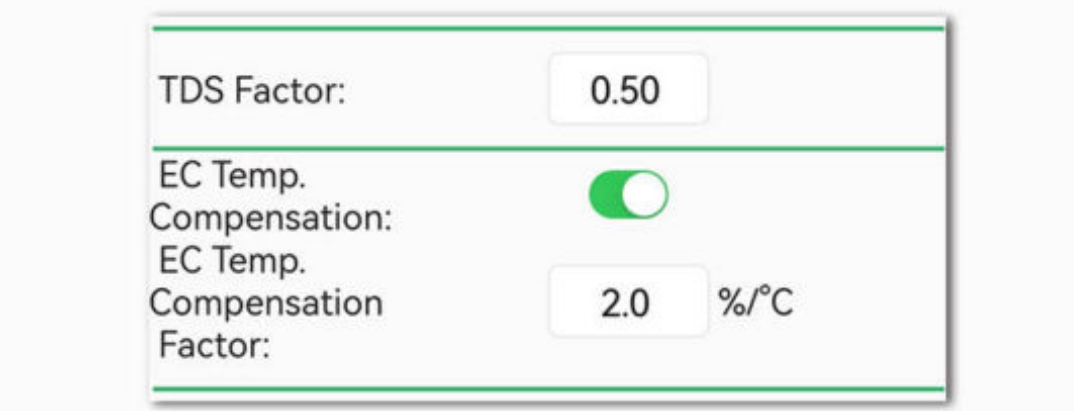


- Auto Save: OFF  
 Auto Save: ON  
Auto Saved time interval can be set between 0-9999 seconds.  
Auto Save : 30  
Auto Save : 30

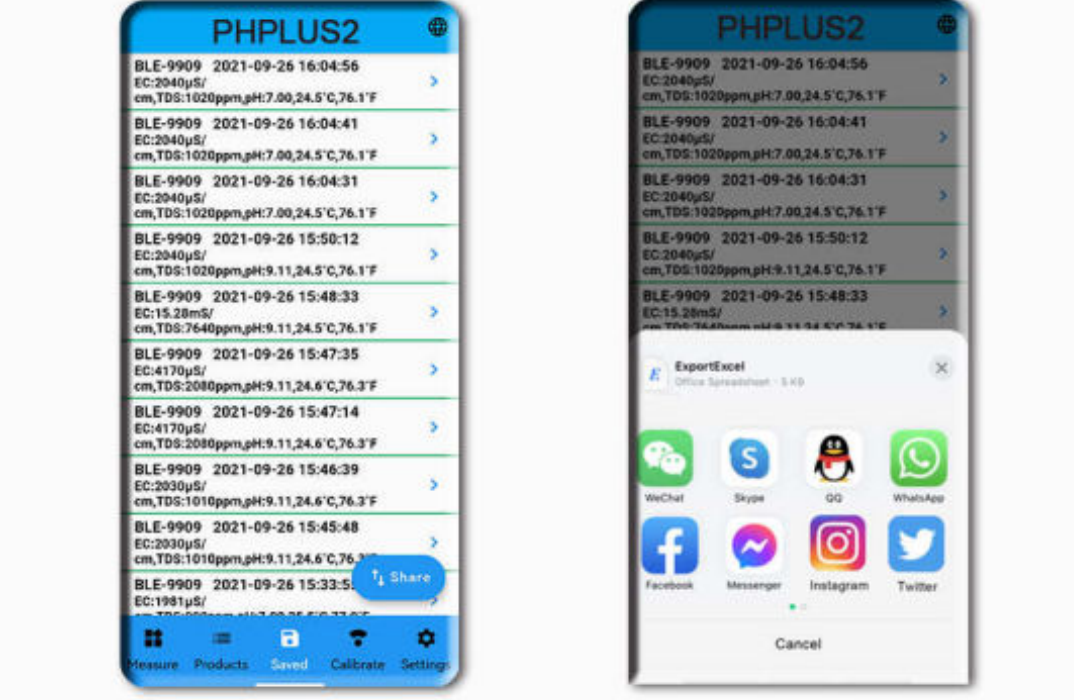
- Set pH/EC Max or Min Limit values according to user's requirement. If testing results are out of range, the digits will display in red.



- Set TDS Factor: Factory default 0.5; The tds factor of 0.0-3.0 can be set. Set EC temperature compensation Factor: Factory default 2.0 %/℃; The EC Temperature factor of 0.0-3.0%/℃ can be set.



- Save/Share and Print  
Press to view records. Press to share the file. If connect to the printer, the testing records can be printed.



VIEW MORE

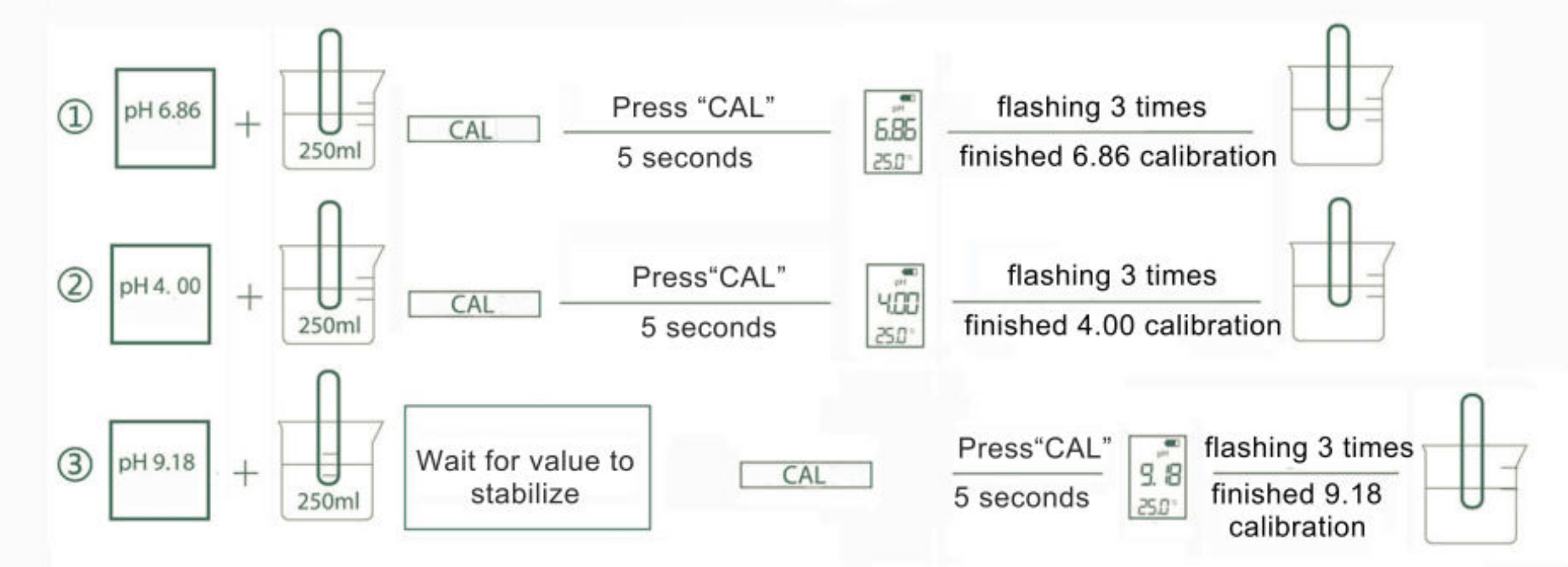
Press and **VIEW MORE.....** can find more different models.

pH CALIBRATION

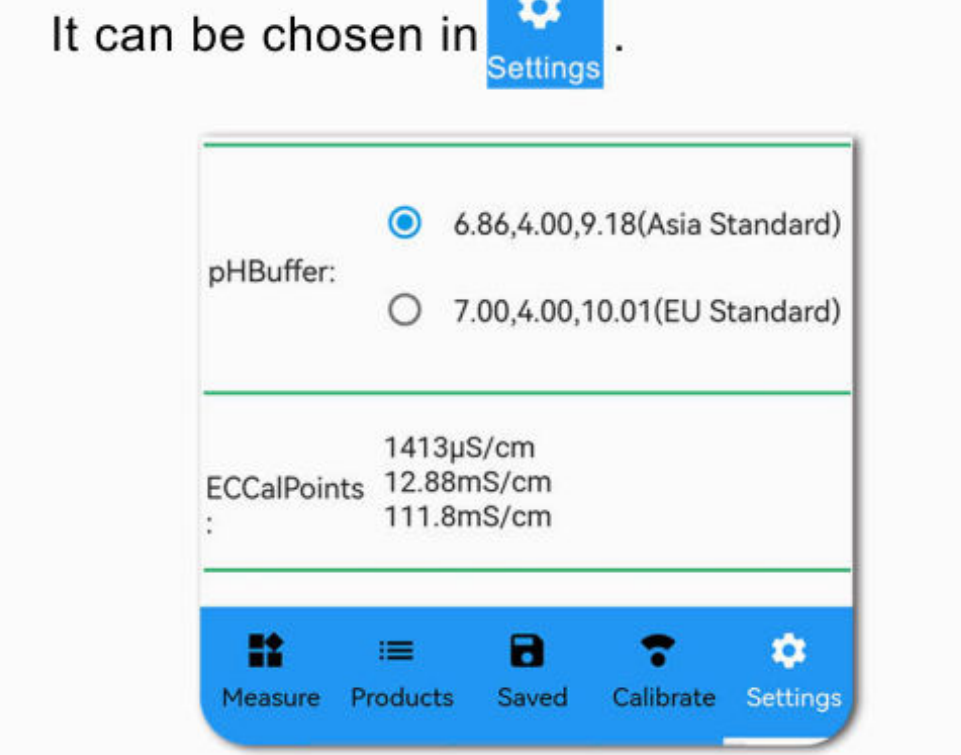
- pH Solution: Dissolve each buffer solution into 3 cups which is filled with 250ml distilled water. Convert to pH mode.
- Put electrode into 6.86 solution; Wait until the testing is stabilized, press "CAL" for 5 seconds, release button; Wait for 6.86 flash 3 times, finished 6.86 calibration.
  - Put electrode into 4.00 solution; Wait until the testing is stabilized, press "CAL" for 5 seconds, release button; Wait for 4.00 flash 3 times, finished 4.00 calibration.
  - Put electrode into 9.18 solution; Wait until the testing is stabilized, press "CAL" for 5 seconds, release button; Wait for 9.18 flash 3 times, finished 9.18 calibration.

7.00/4.00/10.01 are the same calibration steps.

Calibration chart



There has two sets calibration points: 6.86/4.00/9.18 and 7.00/4.00/10.01. It can be chosen in .



Press can view calibration records.



TDS/EC/SALT CALIBRATION

1413µS/cm Calibration

- Press , convert to EC Mode .
- Put electrode into 1413µS/cm standard solution, wait until the testing is stabilized, press for 5 seconds, screen displays the testing values. Press up arrow to add digits. Press down arrow to reduce digits until the showing digit is 1413. Release key.
- 1413 flashes 3 times, finished 1413 calibration.
- Clean electrode with distilled water.

12.88mS/cm Calibration

- Press , convert to EC Mode .
- Put electrode into 12.88mS/cm standard solution, wait until the testing is stabilized, press for 5 seconds, screen displays the testing values. Press up arrow to add digits. Press down arrow to reduce digits until the showing digit is 12.88. Release Key.
- 12.88 flashes 3 times, finished 12.88 calibration.
- Clean electrode with distilled water.

Please choose a standard solution which is close to your test solution for EC calibration.

111.8mS/cm Calibration

- Press , convert to EC Mode .
- Put electrode into 111.8mS/cm standard solution, wait until the testing is stabilized, press for 5 seconds, screen displays the testing values. Press up arrow to add digits. Press down arrow to reduce digits until the showing digit is 111.8. Release Key.
- 111.8 flashes 3 times, finished 111.8 calibration.
- Clean electrode with distilled water.

WARRANTY

Meter warranty time: 12 months  
Electrode warranty time: 6 months  
During the warranty period, the meter will be repaired or replaced free of charge due to damage caused by the meter quality.

The following are not covered by the warranty:

- Damaged by wrong use or self-assembly or repair.
- Damaged by the human factors.
- Damaged by force majeure.

**FCC Warning:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.