USER MANUAL

7-in-1 WiFi Pool Monitor

Please read the instruction manual carefully before use

Our Mission

To make water quality management smarter, more reliable, and simpler for families around the world.

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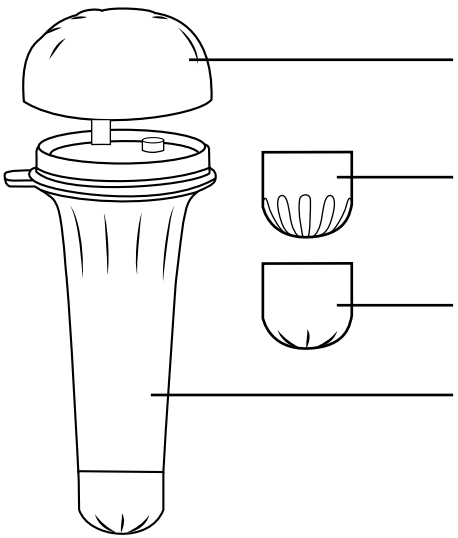
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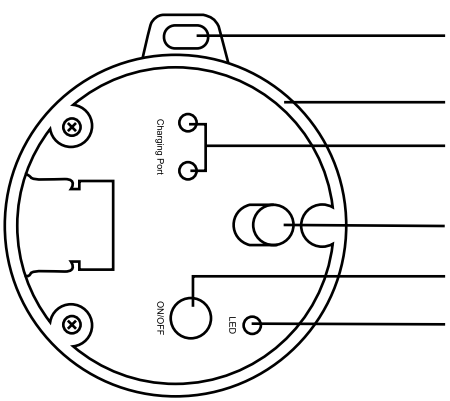
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Product Information

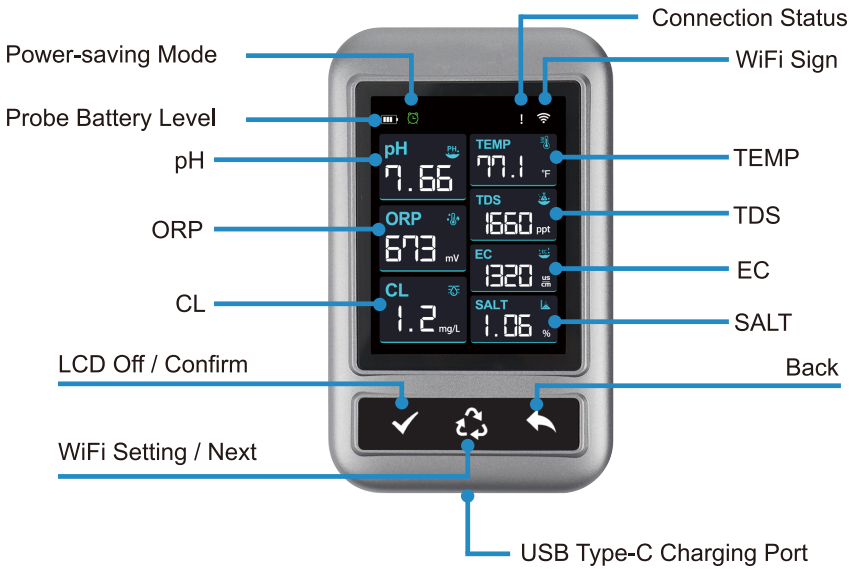
Probe





Note: The red light stays on while charging, and the green light stays on once fully charged.

Display



LCD OFF:

Press and hold this button for 3 seconds to turn off the screen light. Short pressing any of the three buttons will reopen the display.

*Turning off the screen will not affect data collection or analysis.

Configure the WiFi:

Press and hold the button for 3 seconds and then release it, the display will beep 3 times to indicate that it is being connected to the network.

Switch Screen Orientation:

Press and hold the button for 3 seconds, then release it. The screen orientation will change, as shown below.

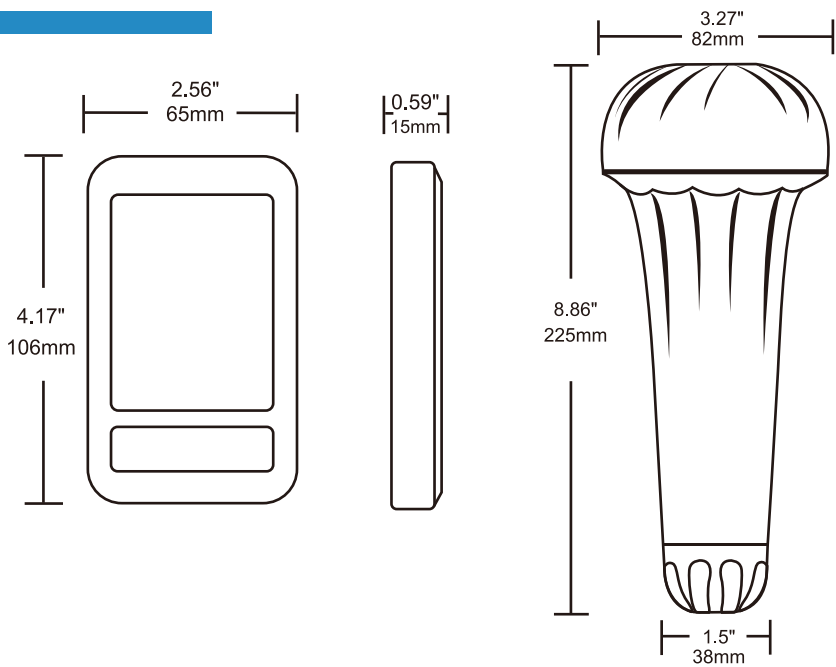




Power-saving Mode:

When the "Alarm Clock" symbol appears on the display, the unit is in power save mode,do not perfomm pH calibration in this mode.If calibration is required, restart the probe and switch it on again (the"Alarm Clock" symbol disappears).

Product Size

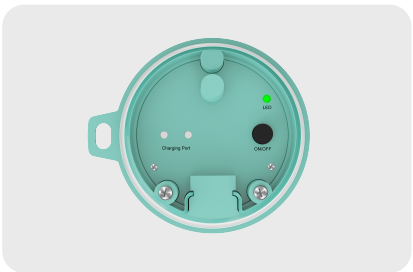


Product Setup

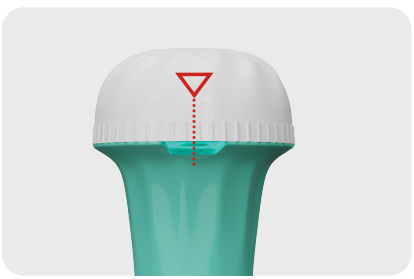
Probe



1.Make sure to replace the sealed probe protective cover with the perforated one before use.



2. Press the button once to turn on the probe. The LED indicator will flash green for 3 seconds.（Note：Press and hold the button until the LED indicator flashes red for 3 seconds to turn it off.）



3. Align the triangular mark with the fixing hole and tighten securely until the beam and rubber ring are no longer visible. Any water ingress could damage the product.



4. Attach the float ring to the probe.This will help optimize the probe's buoyancy.

Display

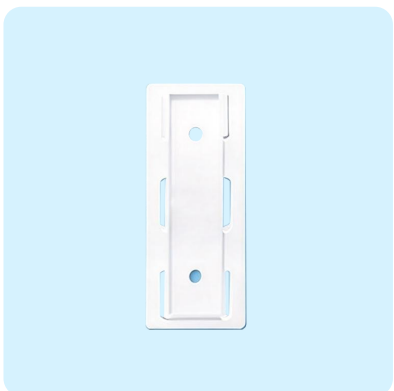
Option One:



1.Remove the sticky adhesive backing film.



2.Glue the bracket to a smooth area.



3.Attach the other part of the bracket to the back or side of the display.

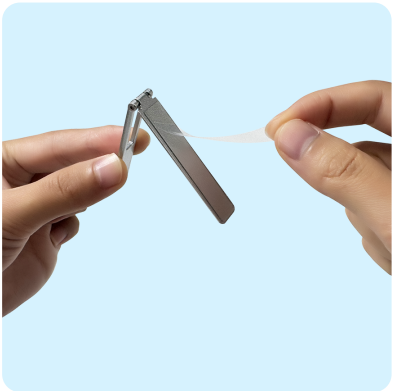


4.Secure the display by running it down the track to the bottom.

Option Two:



1.Unfold the stand.
(Note: Peel off the protective film on the corner magnet to make storage easier later.)



2.Remove the protective film from the adhesive side of the stand.



3.Attach the display to the adhesive side of the stand.



4.You can adjust the angle of the stand as needed.

Measuring Range

	Range	Precision	Accuracy
CL	**0-4mg/L**	**0.1mg/L**	**±0.1mg/L**
pH	0-14	0.1	±0.5
ORP	-999mV-999mV	1mV	±15mV
Salt	0.01%-25%	0.01%-5%(±0.1%)	±2%F.S
		5.1%-25%(±1%)	
EC	0-999μS/cm	1μS/cm	±5%F.S
	1.00-400mS/cm	1mS/cm	
TDS	0-999ppm	1ppm	±5%F.S
	1.00-200ppt	1ppt	
Temp	32-140°F	0.5°F	±0.1
	0-60°C	0.1°C	
WiFi	2.4GHz		
Smart Phone	Android 7.0+ / IOS 12+		

Connection Between Display & Probe

The display and probe are successfully connected before leaving the factory, so they will automatically pair upon first use. If '!' continuously appears on the screen, it indicates a disconnection between the probe and the display.

*Please note that it is normal for " ! " to appear for a short period of time during daily use.

The reasons for showing "!" are as follows:

1. The distance between the display and the probe is too far, please shorten the distance appropriately.

2. Restore the product to factory settings will clear the connection between them, and they will need to be reconnected.

3. The probe is not powered up.

Reconnect Display and Probe When '!' Appears

1.Reset the monitor to factory settings (please keep the display and probe power on during the restoration process).

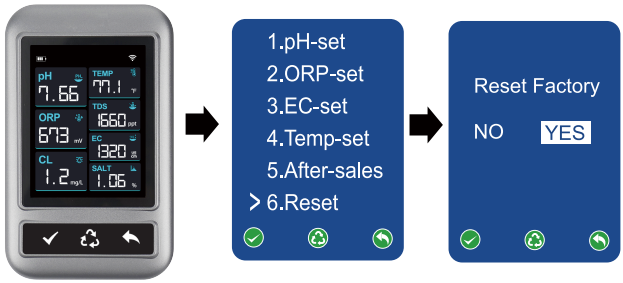
2.Power off the probe, then power it on again to complete the connection.

Note： After restoring the device to factory settings, both pH and ORP must be recalibrated before use to ensure accurate readings.

Power Supply	Display	5V1A / USB Type-C
	Probe	Lithium battery
Test Frequency	Within 20 minutes after connection	Every 7 Seconds
	After 20 minutes of power-on	Every 10 Mins

Basic Operation

Factory Reset



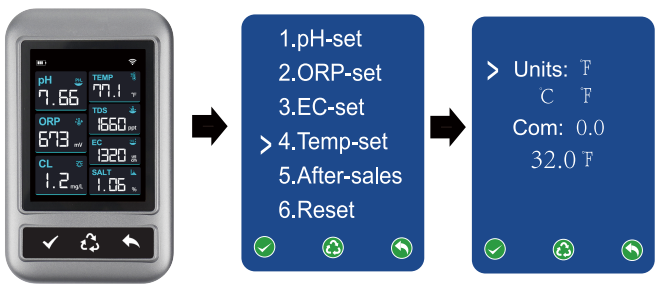
1.Press the middle button to enter the settings interface.

2.Press the middle button to choose the sixth option,"Reset," and press the left button to confirm.

Note: You can restore it to its factory settings if you need to replace the probe or if the data display is abnormal. In this case, the data will be deleted and you'll need to reconnect the display and the probe.

This operation should therefore be performed with caution.

Temperature Unit Switching



1.Press the middle setting button to enter the settings interface.

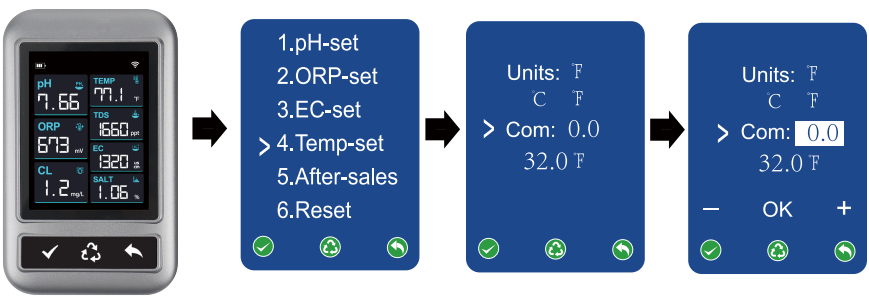
2.Press the middle button to access the fourth option "Temp-set", and press the left button to confirm your choice.

3.Press the left button to select Fahrenheit or Celsius.

Calibration & Adjustment

All calibrations must be completed within the first 20 minutes after the probe and display are successfully connected. After 20 minutes, the device will enter power-saving mode, and an alarm clock icon will appear on the display. Calibration performed after this time may result in inaccuracies and unreliable readings. If the alarm clock icon appears, turn off both the probe and display, wait for 5 minutes, then power them back on and pair them successfully before proceeding with calibration.

Temperature Adjustment



1.Press the middle setting button to enter the settings interface.

2.Press the middle button to access the fourth option "Temp-set", and press the left button to confirm your choice.

3.Press on the middle button to select "Com" and press the left button to confirm.

4.Directly press the left or right button "-/ +" to adjust it, and then press the middle button to save it.

pH Calibration

1.Prepare three 250 ml glasses of purified water with no minerals or distilled water. Do not use tap water.

2.Completely dissolve the pH 4.01, 6.86, and 9.18 calibration powders in the three glasses of prepared water.

3.Open the top cover of the probe.

4.Turn the probe off, wait 5 minutes, then turn it on.

5. Once the probe is successfully connected to the display and no clock symbol is showing,start calibration.

Three-point pH Calibration(4.01-6.86-9.18)



6.Press the middle setting button to enter the settings interface.

7.Press the left button to select the first option, "pH-set."

8.Press the left button again to choose "pH-CAL-3." The device will enter the pH 4.01 calibration interface.

9.Put the probe into the pH 4.01 calibration solution, gently shake it to ensure full contact with the solution. Wait for the reading to stabilize, then press the left button to confirm. The screen will automatically switch to the pH 6.86 calibration page.
【To ensure optimal accuracy, allow the probe to remain in the pH 4.01 calibration solution for 5 seconds before proceeding to the next step.】

10.Clean the probe in neutral water or purified water and gently wipe off any remaining liquid.

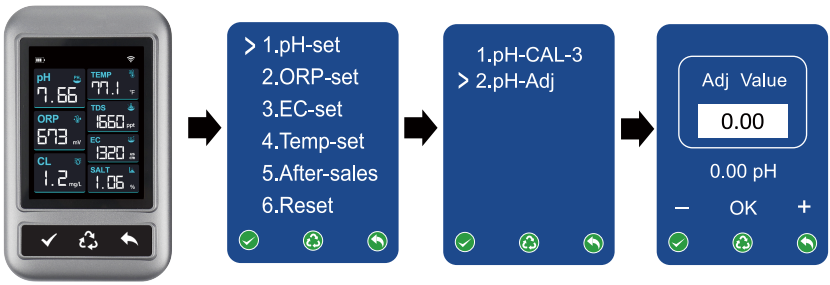
11.Put the probe into pH 6.86 calibration solution, shake it up and down and wait for the reading to stabilize. Wait for the reading to stabilize, then press the left button to confirm. The screen will automatically switch to the pH 9.18 calibration page.
【To ensure optimal accuracy, allow the probe to remain in the pH 6.86 calibration solution for 5 seconds before proceeding to the next step.】

12.Clean the probe again as before and wipe off any remaining liquid.

13.Put the probe into pH 9.18 calibration solution, shake it up and downand wait for the reading to stabilize, then press the left button to confirm.Wait for the reading to stabilize, then press the left button to confirm.
【To ensure optimal accuracy, allow the probe to remain in the pH 9.18 calibration solution for 5 seconds before proceeding to the next step.】

14.Clean the probe as before.
15.pH calibration completed.

pH Adjustment



Feel free to adjust the measurement directly on the monitor if it shows a difference from other pH testing products.

1.Press the middle setting button to enter the settings interface.

2.Press the left button to select the first option, "pH-set."

3.Press the middle button to choose "pH-Adj", then click the left button to confirm.

4.The screen will enter the pH adjustment interface, with the compensation value set to 0 by default.

5.Press the left or right buttons ("-" / "+") to adjust the value as needed, then press the middle button (OK) to save your setting.

【To ensure optimal accuracy, allow the probe to remain in the water for 5 seconds.】

ORP Calibration

1.Prepare 50 ml purified water with no minerals or distilled water. Do not use tap water.

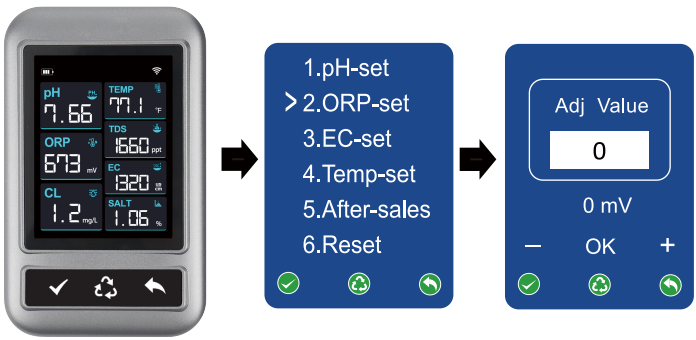
2.Completely dissolve the 256 mV ORP calibration powder in the prepared water.

3.Remove the protective cover from the probe.

4.Turn the probe off, wait 5 minutes, then turn it on.

5. Once the probe is successfully connected to the display and no clock symbol is showing,start calibration.

ORP Calibration Procedure



6.Press the middle setting button to enter the settings interface.

7.Press the middle button again to select the second option "ORP-set", and press the left button to confirm your choice.

8.Put the probe into the prepared ORP calibration solution, gently shake it a few times to ensure full contact between the probe and the solution.

9.Wait for 180 seconds until the reading stabilizes, the current measured value will be displayed.

10.If adjustment is needed, press the left or right buttons ("-" / "+") to adjust the value, then press the middle button (OK) to save your setting.

【To ensure optimal accuracy, allow the probe to remain in the calibration solution for 5 seconds.】

Note: It is not recommended to calibrate if there are no special requirements. The monitor has been strictly calibrated before leaving the factory. It is easy to produce deviations during calibration due to the effect of water quality on this value. Please follow these requirements strictly if calibration is needed.

1: Please use purified water without mineral or distilled water.

2: Dissolve the ORP calibration powder thoroughly in prepared water, and let it sit for at least three hours before performing calibration.

EC Calibration



1.Press the middle setting button to enter the settings interface.

2.Press the middle button to access the third option "EC-set", andpress the left button to confirm your choice.

3.Press the left button again to enter the "EC-CAL." The device willenter the 1413μS/cm calibration interface.

4.Put the probe into the 1413μS/cm calibration solution, gently shakeit to ensure full contact with the solution. Wait for the reading to stabilize, then press the left button to confirm. The screen will automatically switch to the 12.88mS/cm calibration page.
【To ensure optimal accuracy, allow the probe to remain in the 1413μS/cm calibration solution for 5 seconds before proceeding to the next step.】

5.Clean the probe in neutral water or purified water and gently wipe off any remaining liquid.

6.Put the probe into the 12.88mS/cm calibration solution, gently shakeit to ensure full contact with the solution. Wait for the reading to stabilize, then press the left button to confirm. The screen will automatically switch to the 111.3mS/cm calibration page.
【To ensure optimal accuracy, allow the probe to remain in the 12.88mS/cm calibration solution for 5 seconds before proceeding tothe next step.】

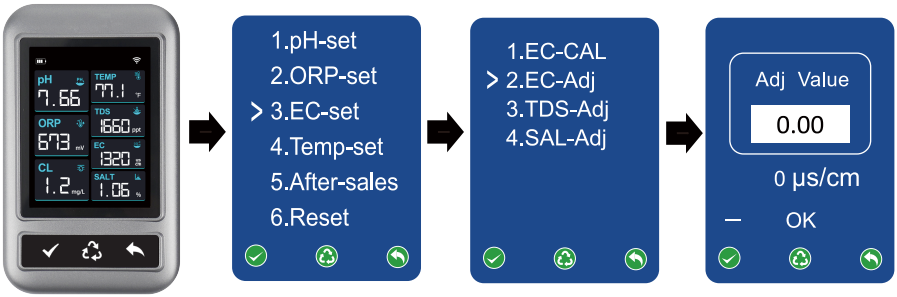
7.Clean the probe again as before and wipe off any remaining liquid.

8.Put the probe into 111.3mS/cm calibration solution, shake it up anddown and wait for the reading to stabilize, then press the left button toconfirm. Wait for the reading to stabilize, then press the left button to confirm.
【To ensure optimal accuracy, allow the probe to remain in the 111.3mS/cm calibration solution for 5 seconds before proceeding to the next step.】

9.Clean the probe as before.

10.EC calibration completed.

EC Adjustment



1.Press the middle setting button to enter the settings interface.

2.Press the middle button to access the third option "EC-set", and press the left button to confirm your choice.

3.Press the middle button to choose the "EC-Adj", and press the left button to confirm.

4.The screen will enter the EC adjustment interface, with the compensation value set to 0 by default.

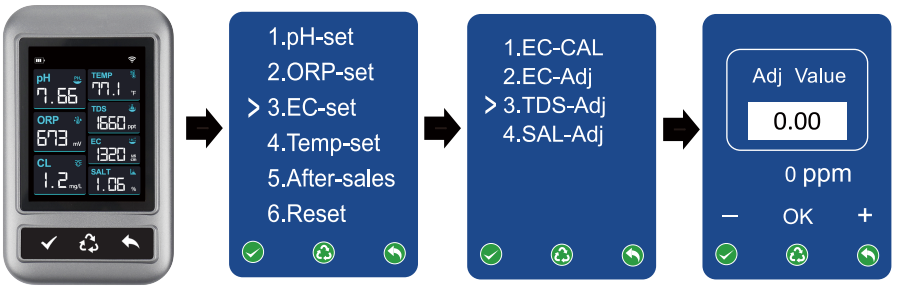
5.Press the left or right buttons ("-" / "+") to adjust the value as needed, then press the middle button (OK) to save your setting.

【To ensure optimal accuracy, allow the probe to remain in the water for 5 seconds.】

TDS Calibration

TDS calibration is not performed separately. When you calibrate EC, TDS will be calibrated simultaneously.

TDS Adjustment



1.Press the middle setting button to enter the settings interface.

2.Press the middle button to access the third option "EC-set", and press the left button to confirm your choice.

3.Press the middle button to choose the "TDS-Adj", and press the left button to confirm.

4.The screen will enter the TDS adjustment interface, with the compensation value set to 0 by default.

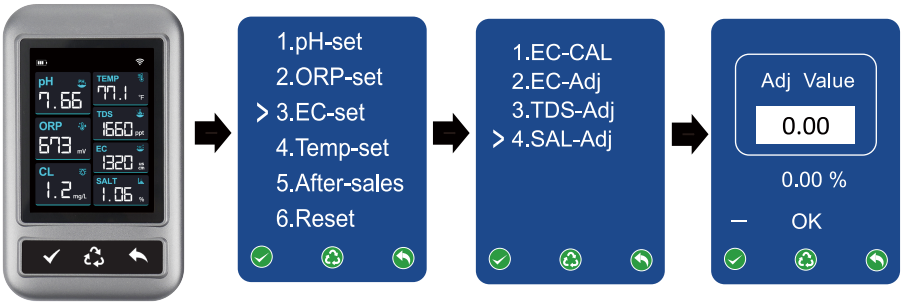
5.Press the left or right buttons ("-" / "+") to adjust the value as needed, then press the middle button (OK) to save your setting.

【To ensure optimal accuracy, allow the probe to remain in the water for 5 seconds.】

Salinity Calibration

Salinity calibration is not performed separately. When you calibrate EC, Salinity will be calibrated simultaneously.

Salinity Adjustment



1.Press the middle setting button to enter the settings interface.

2.Press the middle button to access the third option "EC-set", and press the left button to confirm your choice.

3.Press the middle button to choose the "SAL-Adj", and press the left button to confirm.

4.The screen will enter the salinity adjustment interface, with the compensation value set to 0 by default.

5.Press the left or right buttons ("-" / "+") to adjust the value as needed, then press the middle button (OK) to save your setting.

【To ensure optimal accuracy, allow the probe to remain in the water for 5 seconds.】

Recommended Readings

Parameters		Recommended Range	Pools Type
CL	Free Chlorine	1-3ppm	Freshwater& Saltwater pool
ORP	Oxidation-reduction Potential	650-750mv	Freshwater& Saltwater pool
PH	Potential of Hydrogen	7.2-7.8	Freshwater& Saltwater pool
TDS	Total Dissolved Solids	300-2000ppm 3000-6000ppm	Freshwater Saltwater pool
TEMP	Temperature	75-86°F 24-30°C	Freshwater& Saltwater pool
EC	Electrical Conductivity	200-1000μs/cm （1mS/cm=1000μs/cm） 2500-6000μs/cm	Freshwater Saltwater pool
SALT	Salinity	0%-0.15% 0.25%-0.4%	Freshwater Saltwater pool

It usually takes 30 minutes for ORP to redox. Upon using the probe for the first time, allow the probe to be in the pool for 30 minutes before observing the ORP measurement.

Frequently Asked Questions

1.How often to Calibrate it?

Calibration Frequency	
pH	Once every 6 months
ORP	Once every 6 months
CL	Will be auto-calibrated when pH and ORP are all calibrated
EC	Once a year

1.The EC only needs to be calibrated if your pool is a saltwater pool!

2.The monitor has been calibrated before leaving the factory.

3.To begin calibration, first turn off the probe, then turn it back on and reconnect it to the display. The first 20 minutes after connection is the valid period for calibration and adjustment.

2.Is there anything I need to be aware of when using the product?



The top cover of the probe/sensor has a triangular indicator arrow, make sure you screw the triangle to the **b5 mounting hole** as tight as possible before use, otherwise the probe will simply die if water gets in it.

3.Why are there some white marks on the probe when I received the product? Has this product been used?

Not at all.
The white marks are from the protective solution (KCl) that we applied to the sealed protective cover to help preserve the probe.The protective solution is saturated, volatile, and easy to crystallize. Once the solution has overflowed and volatilized,it appears as white crystals. Simply rinse the probe gently with clean water to remove the crystals and ensure proper functionality.

4.Do I need to calibrate the pH when I first receive it?

It is ready for use upon receipt. If the measurements show any discrepancies, please use the device after calibration or manual adjustment of the values.

5.What does it mean if the monitor displays a"!"symbol?

The "!" symbol indicates that the display and the probe have been disconnected. This usually means the display cannot receive data from the probe, likely due to too much distance between them. To fix this, shorten the distance between the display and the probe.

6.What does the battery symbol on the display represent?

The battery symbol on the display represents the battery level of the probe.

7.How long does the battery last after a full charge?

A full charge typically lasts 3–4 months.

8.Why does the historical data differ from the real-time values shown on the display?

Please note that the historical data is not real-time data. It represents the average value within an hour.

9.Why is the CL value sometimes very different from the test strips?

You should ensure that the pH level stays between 6.5 and 8.0 If the pH falls outside this range, the chlorine (CL) value may be miscalculated, as it is based on a complex formula involving both pH and ORP. More importantly, a pH level that is too low or too high can seriously affect your health.

10.How can I understand the relationship between ORP and CL?

ORP (Oxidation-Reduction Potential) and free chlorine(CL) are closely related, but they measure different things.

Free chlorine is the actual disinfectant present in the water—it kills bacteria and viruses.

ORP measures the overall disinfection power of the water — it tells you how effective the water is at killing those microorganisms.

In general:
When free chlorine increases, the ORP also rises, meaning better disinfection.

But the relationship isn't always exact, since both ORP and free chlorine are influenced by factors like pH, temperature, and other substances in the water.

So, to really understand if the water is properly disinfected,

you shouldn’t just look at chlorine levels — you should also check the ORP.

11.How should I store the device when it’s not in use?

1.Please use the provided KCL probe storage solution to thoroughly moisten the sponge inside the sealed probe cap,then put the cap onto the probe.

2.Always store the device at normal room temperature (15°C–30°C/59°F-86°F)

3. Avoid exposing the probe to air or allowing it to dry out for extended periods, as this may affect measurement accuracy. Especially In winter, keep it indoors in a heated room to prevent the probe from freezing.

Note：Even highly precise instruments may have minor errors. If results are near the limit or outside the expected range, please retest using other equipment, recalibrate, or contact us if needed.

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