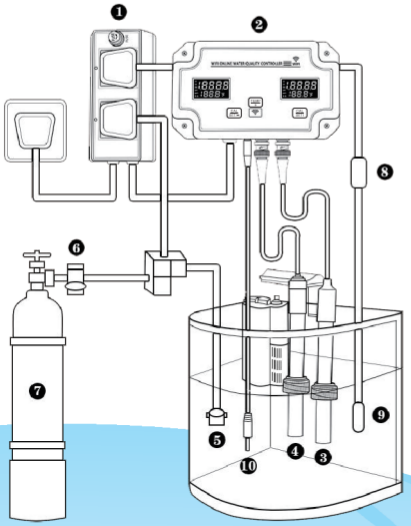
Wireless WiFi online control detector



1. pH/ORP Controller
2. Power Plug & Control Output
3. pH Electrode
4. ORP Electrode
5. CO_2 Reactor
6. Solenoid Valva
7. CO_2 Bottle
8. O_3 Generator
9. Reactor
10. Temperature Electrode

Swimming Pool

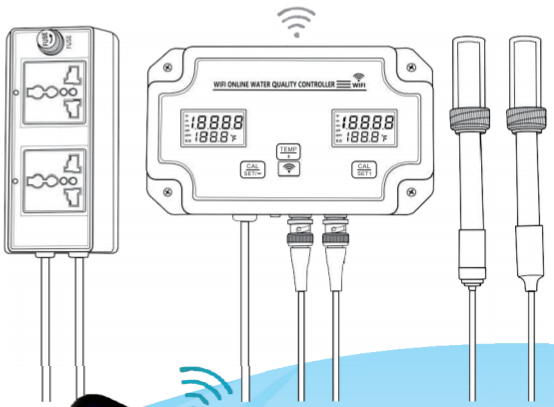
Domestic Water

Aquarium

Fishery

Aquaculture

Laboratory



pH/ORP-W2839☐

pH/EC-W2823☐

pH/SALT-W2825☐

pH/TDS-W2826☐

Upgrade of automatic warning functionl

iOS

CE

RoHS

Wireless WiFi online control detector

Specification

Range: pH 0.00pH–14.00pH

EC 0–19000us/cm 0–199.0ms/cm (W2823)

TDS 0–19990ppm 0–199.0ppt (W2826)

Salinity 0–199.9 ppt (W2825)

ORP–2000mv–+2000mv (W2839)

Temperature 0℃–50℃ (32℉–122℉)

Resolution: pH 0.01PH

EC 1us/cm(<1000us/cm)10us/cm(>1000us/cm)

0.1ms/cm(W2823)

TDS 1ppm(<1000ppm)10ppm(>1000ppm)

0.1ppt (W2826)

Salinity 1ppm(<1000ppm) 10ppm (>1000ppm)

0.1ppt(W2825)

ORP 1mv (W2839)

Temperature 0.1℃(0.2℉)

Accuracy: pH ± 0.1pH

EC、TDS、Salinity ± 2%F.S (W2823 W2826 W2825)

ORP ± 5mv (W2839)

Temperature ± 1.0℃

Alarm setting range: pH 0.00~14.00pH

ORP –2000~ 2000 MV (W2839)

EC 0~20000us/cm (W2823)

TDS 0~20000ppm (W2826)

Salinity 0~20000ppm (W2825)

Power supply: AC230V EU

AC120V US

Temperature Compensation: 0℃~50℃

Operating temperature: 0℃~50℃

Size: 1. 160*106*40 2.130*65*55

Weight: 360g

Instructions

1.Remove the protective cap and connect the pH electrode, temperature electrode and ORP electrode(W2839)to the corresponding electrode sockets.

2.Wash the electrode in distilled water and dry with filter paper.

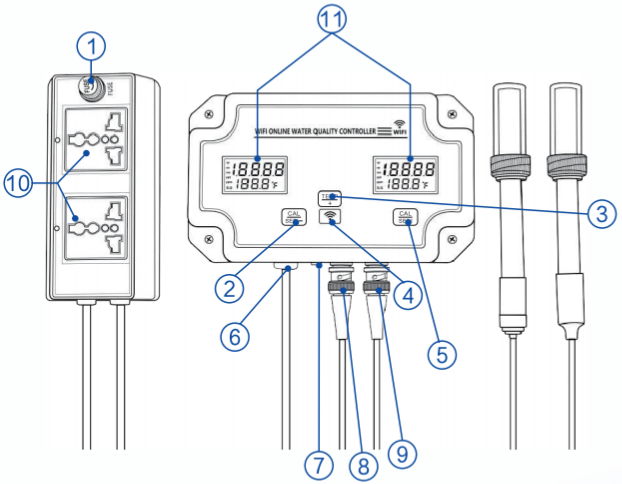
3.Plug in the power to turn it on.

4.Put the pH electrode,temperature electrode,(TDS electrode (W2826) / EC electrode (W2823) / salinity electrode (W2825) / ORP electrode (W2839) into testing liquids and stir gently.Read the final values when the reading is stable.

5.Press “ TEMP / + ” to choose C/℉ measure.Press

" CAL SET/− " for five seconds to calibrate TDS (EC, salinity,ORP) values.Press " CAL SET1 " for five seconds to calibrate pH value.

6.Clean the electrode and replace protective cap after use.



① FUSE
② (EC/TDS/SALT/ORP)CAL/SET/−
③ TEMP/+
④ WIFI
⑤ PH CAL/SET1
⑥ AC IN
⑦ TEMP IN
⑧ EC/TDS/SALT/ORP IN
⑨ PH IN
⑩ AC OUTPUT
⑪ LCD

PH correction 3 points

1.Pour standard buffer solution pH6.86,pH4.00 and pH9.18 (at 25℃)separately into three different clean beakers.

2.For accurate calibration,fill one buffer solution into two beakers.One is for cleaning the electrode,and the other one is for calibration.By doing so,the pollution level can be reduced to the least.

3. Plug in and turn on the device.

4. Immerse the electrode into standard buffer solution pH6.86,then stir gently until the value is stable,and press the " CAL SET1 " for 5 seconds.When the screen display "  " meter enter the pH6.86 automatic correction mode (the meter can automatically identify standard buffer solution of pH4.00 and pH6.86).While display value correspond to the standard buffer solution,the calibration is finished.

5.Clean the electrode. Immerse the electrode into standard buffer solution pH4.00.Press the " CAL SET1 " for 5 seconds when the display value is stable.When screen display "  " meter enter the pH4.01 automatic calibration mode.While display value correspond to the

standard buffer solution, the calibration is finished.

6.Clean the electrode.Immerse the electrode into standard buffer solution pH 9.18.Press the “ CAL/SET1 ” for 5 seconds when the display value is stable.When screen display “  ” meter enter the pH9.18 automatic calibration mode. While display value correspond to the standard buffer solution, the calibration is finished.

Users can choose the calibration solution 6.86 4.00 9.18, 7.00 4.00 10.00.Factory default calibration is 6.86 4.00 9.19.The operation is as follows: long press “ CAL/SET1 ” for five seconds in the calibration solution of 6.86 or 7.00. When value 6.86 flashing shows,immediately press “ CAL/SET1 ” to switch to 7.00 calibration.Please be careful not to use the wrong calibration solution for calibration during the calibration process.

Notice

The electrode must be recalibrated:

No calibration for a long time.

Regular and long term continual use.

High accuracy is required.

EC Calibration (W2823)

1.Plug in the power to turn on.

2.Immerse the EC electrode in distilled water for five minutes.

3.Immerse the electrode in EC calibration solution of 12800us/cm (25℃) and stir gently.

4.When the reading is stable,press and hold the “ CAL/SET/– ” for about 5 seconds.When the screen displays “  ” or “  ” press “ CAL/SET/– ” or “ TEMP/+ ” plus or minus value,until the display shows “12800-12900” .

5.Clean the electrode with distilled water and dry with filter paper.

6.Immerse the electrode in EC calibration solution of 1413us/cm(25℃) and stir gently until the displayed value is the same as or close to the value of the calibration solution.

7.Clean the electrode with distilled water and dry with filter paper.

TDS Calibration (W2826)

1.Plug in the power to turn on.

2.Immerse the TDS electrode in distilled water for five minutes.

3.Immerse the electrode in TDS calibration solution of 6440ppm(25℃) and stir gently.

4.When the reading is stable,press and hold the " CAL SET/— " for about 5 seconds.When the screen displays "  " or "  " , press " TEMP + " or " CAL SET/— " plus or minus value,until the display shows "6430-6450" .

5.Clean the electrode with distilled water and dry with filter paper.

6.Immerse the electrode in TDS calibration solution of 1382ppm(25℃) and stir gently until the displayed value is the same as or close to the value of the calibration solution.

7.Clean the electrode with distilled water and dry with filter paper.

Salinity Calibration (W2825)

1.Plug in the power to turn on.

2.Immerse the salinity electrode in distilled water for five minutes.

3.Immerse the electrode in salinity calibration solution of 35 ppt(25℃) and stir gently.

4.When the reading is stable,press and hold the " CAL SET/— " for about 5 seconds.When the screen displays "  " or "  " ,press " TEMP + " or " CAL SET/— " plus or minus value,until the display shows "35ppt" .

5.Clean the electrode with distilled water and dry with filter paper.

ORP Calibration (W2839)

1.Plug in the power to turn on.

2.Immerse the ORP electrode in distilled water for five minutes.

3.Immerse the electrode in ORP calibration solution of 265mv(25℃) and stir gently.

4.When the reading is stable, press and hold the " CAL SET/− " for about 5 seconds.When the screen displays " 290 " or " " ,press " TEMP + " or " CAL SET/− " plus or minus value,until the display shows "265" .

5.Clean the electrode with distilled water and dry with filter paper.

6.Immerse the electrode in ORP calibration solution of 100mv(25℃) and stir gently until the displayed value is the same as or close to the value of the calibration solution.

7.Clean the electrode with distilled water and dry with filter paper.

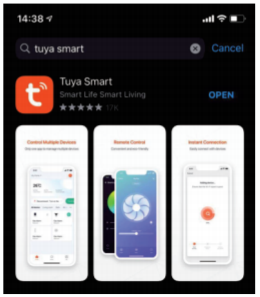
Warranty

All defects in materials and manufacture of these device are guaranteed for one year from the date of purchase. Within one year,please return the parts to the dealer or our office for free repair if the damage is not caused by the user's negligence or wrong operation.

APP Multi-parameter Water Quality Monitor

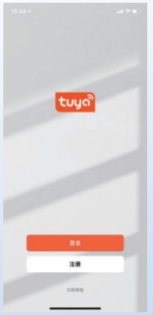
Mobile APP connection

1.Search "Tuya Smart" in the mobile APP store,

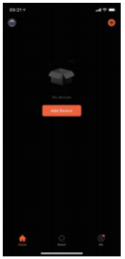


find " Tuya Smart " and download.

2.Click "log in"

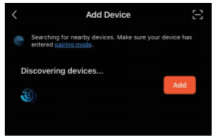
"  "

register an account,



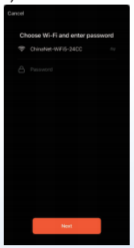
then enter the homepage of Tuya,
click to add device,long press on the
“  ”
to search device automatically.

3.The icon appears

“ 

”

click to add,enter WiFi connection



mobile and device connect same Wifi.
Click Next after entering password.

4.Page appears

“ 

”

The icon appears after download finish.

“ 

”

Click done,
to enter program to view various parameter.

APP Alarm Setting

Set alarm value.When the test liquid value is higher or lower than the set value,the control will be powered on. The operation is as follows:

Click on the APP to enter the PH page

Set the alarm value,such as value higher than 6.96 or lower than 4.00 to alarm.The current pH value is 6.99, which is higher than 6.96,the control box is powered on. When the value is lower than 4.00pH,it will alarm and the control box will be powered on (other parameters are also set in the same way).Be careful not to set both high and low alarms at the same time during use,which will turn on the wrong alarm power supply.

1. Add PH/temperature switching control function.
2. Add the range of alarms (take pH as an example, the low end value is set to 4 and the high end value is set to 6, so it is equivalent to the power supply is activated when the pH value between 4-6).

The specific operation is as follows:

Long press (SET1) key for 1 second to release, the bottom of the display will appear (C - 1) 

, then press (SET1) briefly to switch C-1, C-2, C-3, C-4 in turn.

(C-1) represents the alarm out of the range of high and low ends of PH adjustment.

(C-2) represents the PH adjustment of high and low end of the range of alarms.

(C-3) represents an alarm out of the high and low end of the temperature control range.

(C-4) represents the alarm within the high and low end of the temperature adjustment range.

Wait for 5 seconds after the adjustment is completed, the code disappears and the setting is finished.

Press and hold (SET) key for 1 second and let go, (C-1) will appear at the bottom of the display. 

Press the SET key briefly to switch between C-1 and C-2.

(C-1) represents regulating EC (TDS/SALT/ORP) high and low end out of the range of the alarm

(C-2) represents adjusting the EC (TDS/SALT/ORP) alarm within the high and low end of the range.

Wait 5 seconds after the adjustment is completed and the code disappears.