# Multi-parameter pH/EC/TDS/SALT S.G/Temperature online APP Tester

## WIFI CONNECTION AND DATA TRANSFER

Download Tuya Smart APP and enter your account. You can view real time or historical data (about 30 days) on the phone.

# SPECIFICATIONS

**Range** : pH 0.00-14.00pH
EC 0-19000us/cm
0-199.0ms/cm
TDS 0-19990ppm
0-199.0ppt
SALT 0-199.9ppt
0%-20%
S.G 0.990-1.400
**Temp** 0℃-50℃(32℉-122℉)
**Resolution** : pH 0.01PH
EC 1us/cm(<1000us/cm)
10us/cm(>1000us/cm)
0.1ms/cm
TDS 1ppm(<1000ppm)
10ppm(>1000ppm)
0.1ppt



SALT 1ppm(<1000ppm)
10ppm(>1000ppm)
0.1ppt
0.01%
S.G 0.001
**Temp** 0.1℃(0.2℉)
**Accuracy** :pH ±0.03pH
EC、TDS、SALT ±2%F.S
**Temp** ±1.0℃
**Battery** : DC6V
**Temperature Compensation** :0℃~50℃
**Operating Temperature** : 0℃~50℃
**Dimensions** : 130mm×77mm×31mm
**Weight** : 180g

1.DC IN
2.MODE/-
3.TEMP/EC CAL/+
4.WIFI
5.pH CAL
6.EC/TDS/SALT/
G.S/TEMP
7 .TEMP-2
8.pH


## OPERATION

1. Remove the protective cap. Connect pH electrode and temperature electrode.
2. Clean the electrode with distilled water, and dry it well.
3. Connect power adaptor to turn on.
4. Put pH electrode, temperature electrode, TDS electrode into testing solution. Stir lightly and take a few seconds for stable reading.
5. Press the “ 

” key to choose the °C/°F.

Press “ 

” for 5 seconds to calibrate TDS (EC) value. Press the “ 

” key to choose different value display of “TDS/EC/ SALT/S.G. Press “ 

” for 5seconds to calibrate the pH value.
6. Turn of the meter after use. Clean the electrode in distilled water. Put on protective cap.



## PH CORRECTION 3POINTS

1. Pour standard buffer solution pH6.86, pH4.00 and pH9.18 (at 25°C) 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. Connect to power adaptor to turn on.
4. Immerse the pH electrode into standard buffer solution pH6.86, then stir gently until the value is stable. Long press the “ 

” key for about 5 seconds. When the screen display “ 

” meter go into the pH6.86 automatic correction mode (the meter can automatically identify standard buffer solution of pH4.01, pH9.18 and pH6.86). Display value correspond to the standard buffer solution, the calibration is finished.

5. Clean the pH electrode. Immerse the pH electrode into standard buffer solution pH4.01, then stir gently until the value is stable. Long press the “ CAL ” key for 5 seconds. When the screen display “  ” meter go into the pH4.01 automatic correction mode. Display value correspond to the standard buffer solution, the calibration is finished.

6. Clean the pH electrode. Immerse the pH electrode into standard buffer solution pH9.18, then stir gently until the value is stable. Long press the “ CAL ” key for 5 seconds. When the screen display “  ” meter go into the pH9.18 automatic calibration mode. 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 ” for five seconds in the calibration solution of 6.86 or 7.00.



When value 6.86 flashing shows, immediately press “ CAL ” to switch to 7.00 calibration.

Please be careful not to use the wrong calibration solution for calibration during the calibration process.

## EC CALIBRATION

1. Turn on the meter. Press the “ MODE ” key to choose the EC-ms.

2. Immerse the electrode into the distilled water. Activate it about five minutes.

3. Immerse the electrode into EC calibration solution 12.88ms/cm (at 25°C), and stir it gently.

4. When the reading is stable, long press the “ TEMP CAL/+ ” key about 5 seconds. When the screen display “  ” or “  ”. Press the “ MODE ” or “ TEMP CAL/+ ”, until the display shows “12.80-12.90”.

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

6.Immerse the electrode into EC calibration solution 1.413ms/cm(at 25°C), and stir it gently. The display value is the same as the value of calibration solution or approaching the value.
7. Clean the electrode with distilled water and dry it with filter paper.

## NOTICE

The electrode must be recalibrated: No calibration for a long time.
Regular and long term continual use. High accuracy is required.

## WARRANTY

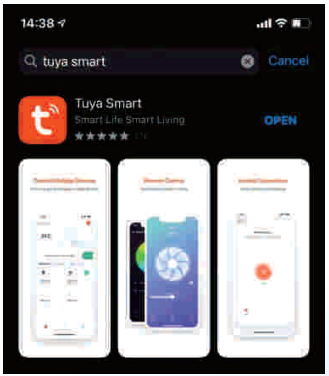
All defects in materials and manufacture of these device are guaranteed for one year from the date of purchase. Within one year, please return the parts to the dealer or our office for free repair if the damage is not caused by the user's negligence or wrong operation.



# APP Multi-parameter Tester

## Mobile phone connection APP

1. Search “Tuya Smart” in the mobile APP

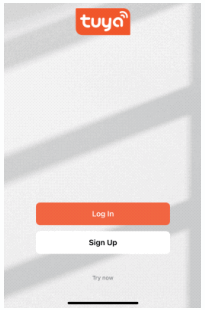
store 

, find

“ 

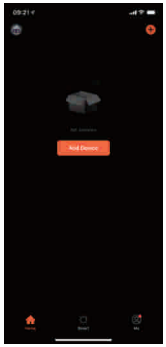
” and download.

2. Click to enter after the download is

complete “ 

” Register an

account, then log in the homepage of Tuya

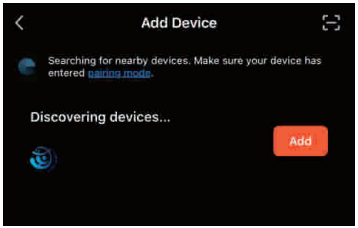

, Click to add a device, long

press on the meter key “ 
” to

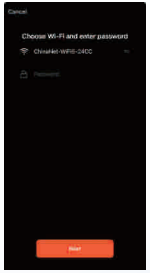
search device automatically.



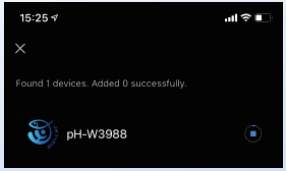
3. The following icon appears

“ 

” Click to add,

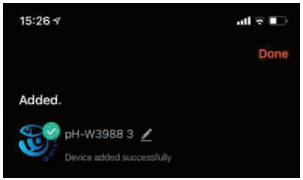
enter WiFi connection “ 
” Mobile

phone and device use the same WiFi. Click Next after entering the correct password.

4. Page appears “ 

”

the icon appears after download.

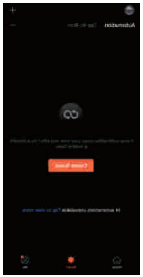
“ 

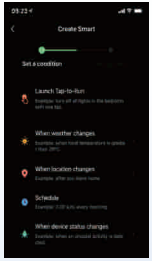
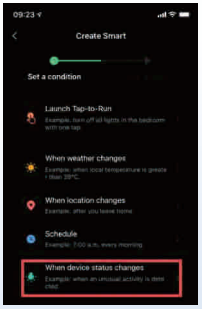
” click Finish.

Enter the program to view various parameters.

## APP SETTING ALARM

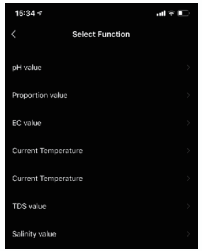
Enter Tuya APP on your mobile phone, click

Smart “  ” to create Smart Scene

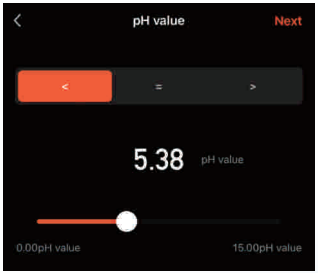
to enter “  ” click “ 

”

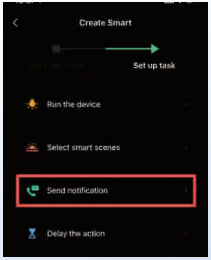


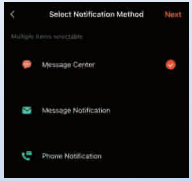

Select the pH value and input a value at random



, click next to

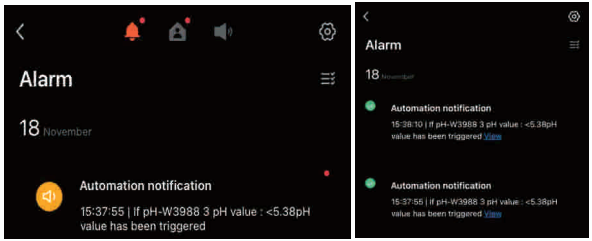


, Click “send a reminder

notification reminder” to enter 

,

select the message reminder, the setting is complete. The current setting alarm is the pH value lower than 5.38. The APP will pop up an alarm message when the pH value is lower than 5.38




## MOBILE APP MONITORING

An instrument for 24 hours online monitoring. The APP is compatible with Apple and Android systems. Switch the phone language and region to automatically convert different words on the APP.

APP

iOS