

User manual

98198PTHA_WIFI Wireless Ammonia, Temperature & Humidity Probe

Thank you for purchasing the probe-type ammonia, temperature, and humidity detector. It is equipped with a built-in fan that quickly draws in air, ensuring fast response and accurate readings.

Features:

- ✓ Cost-effective, smart, and user-friendly operation for monitoring indoor air quality.
- ✓ Easy to install and suitable for public places such as schools, hospitals, stations, libraries, and more.
- ✓ Built-in suction fan for fast acquisition of gas or pollutant concentration readings.
- ✓ Uniquely designed probe with nut mount, compatible with tripods for long-term recording or monitoring.
- ✓ All sensors are factory calibrated before shipment, with a one-year warranty and long service life.



!!Caution!!

If the sensor probe is disassembled without authorization (the device has a tamper-evident warranty seal), the warranty will be considered void.

Standard Package Includes:

1. Probe ×1
2. 6V Power Adapter
3. User Manual
4. White Box

Specifications

Model	98198PTHA_WIFI	
Display Parameters	Ammonia(NH ₃), Temperature, Humidity	
Measurement Range	Ammonia(NH ₃) 0-50ppm	
	Temperature: 0.0~ 50.0℃	Humidity: 0.0 ~ 99.9%
Resolution	NH ₃ : 0.1ppm	
	Temp.: 0.1℃	RH%: 0.1%RH
Sensor Type	Ammonia: Electrochemical Type	Temp. RH: Capacitive Type
Accuracy	Ammonia: ± 5% F.S	
	Temp.: ±1℃, RH%: ±5%RH(at 25℃)	
Operating Temp. and Humidity Range	-10~40℃ (14~104°F), 15%~90% RH%	
Power	Output: DC 6V ; Input: AC 100–240V ~50/60Hz 0.5A	

Smartphone Wi-Fi Setup

- a) Press and hold the button on the probe, then plug in the power adapter. Keep holding the button until the green LED starts blinking, then release it. When the green LED flashes rapidly, you can proceed with the following steps to set up the Wi-Fi connection.

- b) Turn Wi-Fi ON and scan the list of available networks on the mobile. and select “MIC_MAC noXXXXXX”.



Android

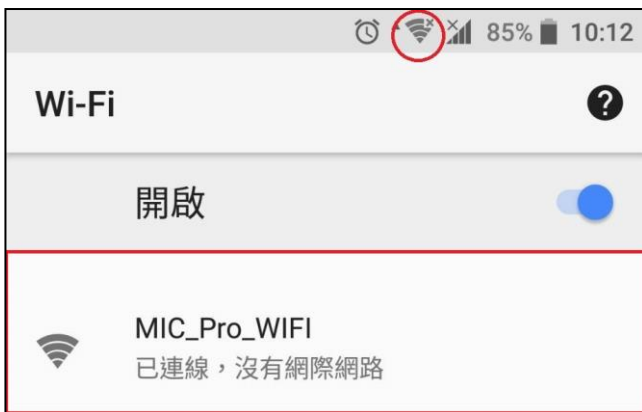
Apple



- c) Next, open the web browser on your phone (e.g., Google Chrome or the built-in Apple browser), and enter **192.168.4.1** in the address bar to access the MIC-WIFI configuration page.

Note: MIC_Pro_WIFI is a virtual Wi-Fi network. Please do not use Google Chrome to enter the IP address, as it may prevent access to the page.

- d) Enter the network AP (SSID) or select the AP name from the dropdown menu, then enter the password. After entering the information, it will display "connecting." Next, tap "Start Configuration." Once it shows "Pairing Successful," the screen will change, indicating that the Wi-Fi connection is complete.
- e) After the configuration is complete, the red LED will turn off. When the green LED starts blinking, it indicates that the Wi-Fi setup was successful and you can now use the app to view the data.



安卓 Android



蘋果 apple



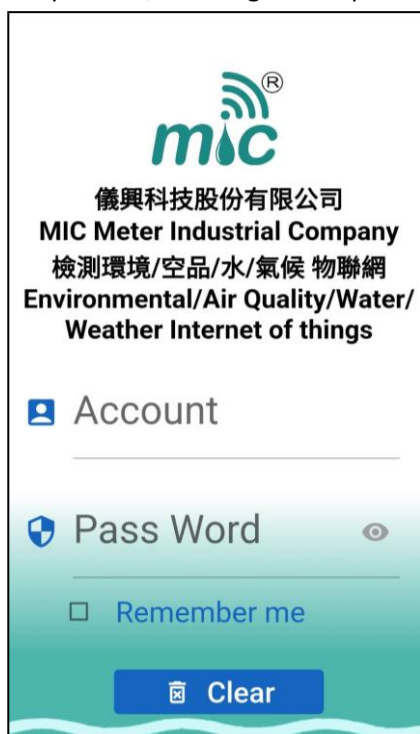
APP FREE DOWNLOAD/SETTING

Google Play or APP store, visit the link to download free APP:

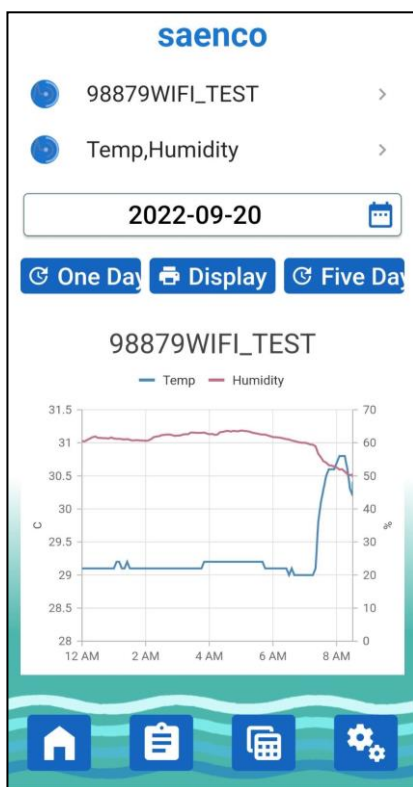
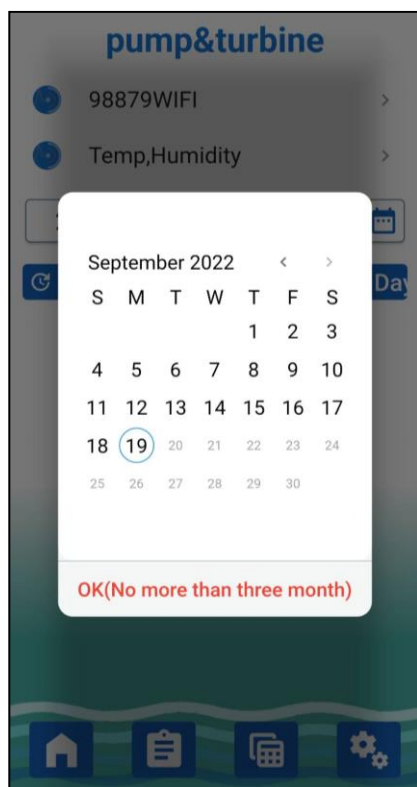
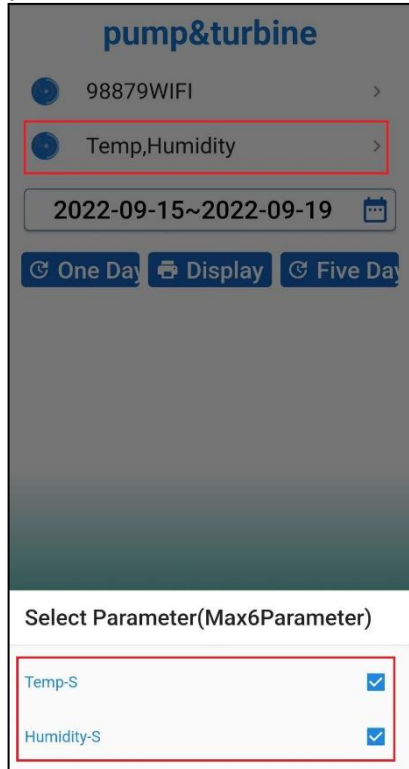
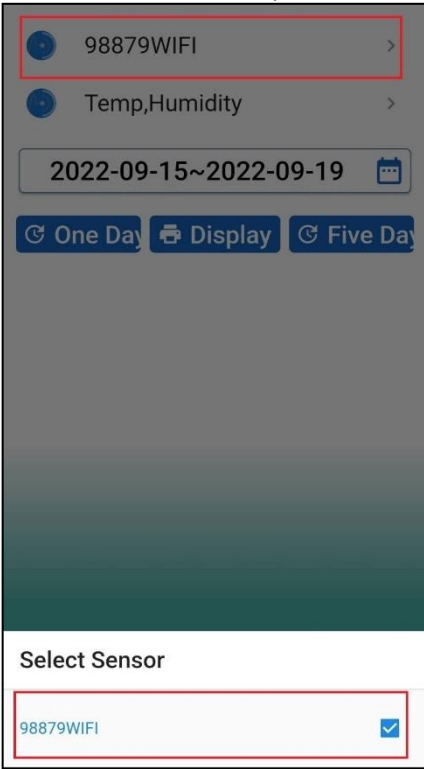
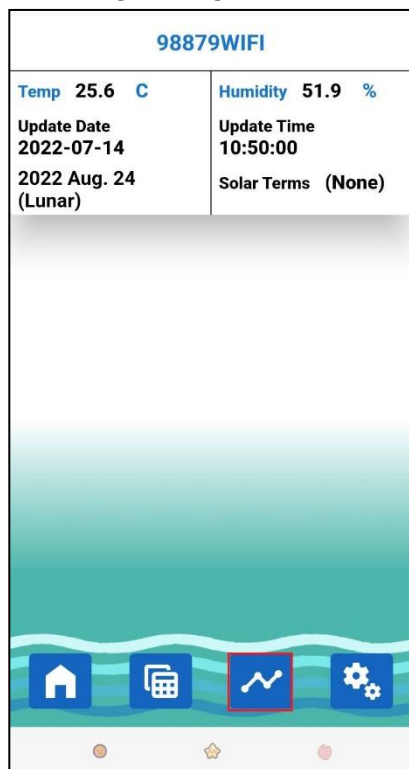
https://play.google.com/store/apps/details?id=flutter.aqua.aqua_guardian_wifi.nicholas



2. Open APP, entering ID and password to login.

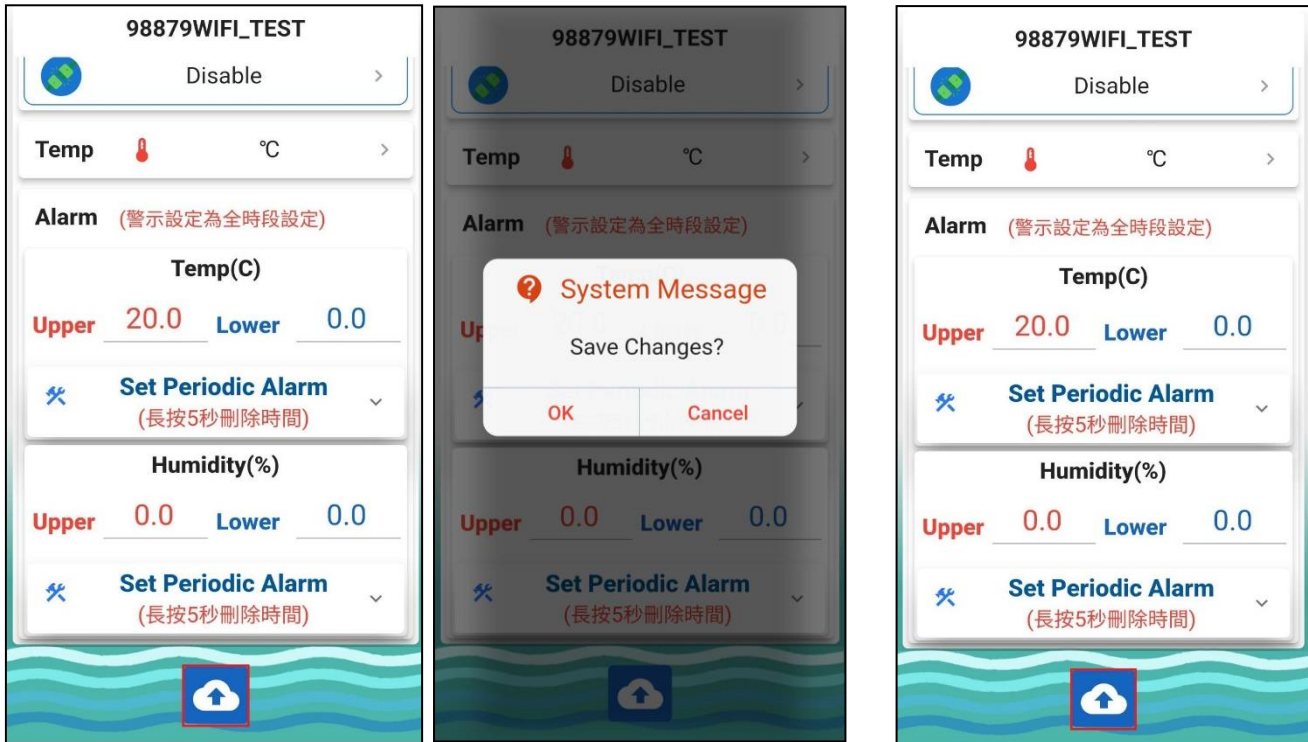


3. Selecting reading mode or curve mode, to see the curve, you can select parameter and date:



4. SET ALARM VALUE

Press GEAR icon  to enter alarm setting mode. Enter the threshold value and press save icon.



Press  icon return to current readings mode, if the value is exceeding threshold value, the word turns to red.

Press  icon to log out.

b. Edit Data :

*設備MAC	20F85EF34748	座標位置	經度	0	緯度	0
*設備標籤	98879WIFI_伊朗 Device Label	*產品號	98879WIFI	*序號	0002	
使用者編號	saenco	輔助標籤				
魚場對應序號		經銷商或共用者		感測類別	A	
魚場編號		魚場苗種名稱		氣象觀測站代碼		
*時區	UTC+08:00 Taipei Time zone	開放資料選擇				
發送Email間隔	每隔 0不發送	發送電子郵件	註冊日期	20220804 (此欄位空白無法上傳資料)		
發送LINE間隔	每隔 0不發送	發送 LINE 通知	重新顯示頻率	每隔 1分鐘	重新顯示資料	

- **Device Label:** User can edit the location of the device.
- **Time zone:** Select time zone by pull-down menu.
NOTE: If time zone has been changed, the record time will be changed immediately.
- **Register Date:** The register date of the meter.
- **Time interval for sending Email :** Pull down the menu and select time interval for sending alert message by e-mail.
※If the value keep exceeding or lowering than the alarm value, the system will keep sending alarm message to e-mail. To turn off e-mail alarm. Go to Device→Edit Data→Time interval for sending Email→0-no sending→Press “Save” button to save setting.

Hi, Dear Sir :

This is an automatic alert notification from www.mic-meter.com.

your device label (98136WIFI) occurs following abnormal situation :

(Measured DateTime : 2015/12/14 11:47:07)

Code01 (Temp.) value 25.6 °C exceed the high alarm setting 20 °C.

This is just a notice email, Do not reply.

In addition, following abnormal situations have been happened :

Device label (98136WIFI) occurs following abnormal situation (Measured DateTime : 2015/12/14 11:46:06)

Code01 (Temp.) value 25.5 °C exceed the high alarm setting 20 °C.

Device label (98136WIFI) occurs following abnormal situation (Measured DateTime : 2015/12/14 11:45:06)

Code01 (Temp.) value 25.6 °C exceed the high alarm setting 20 °C.

Device label (98136WIFI) occurs following abnormal situation (Measured DateTime : 2015/12/14 11:44:06)

Code01 (Temp.) value 25.6 °C exceed the high alarm setting 20 °C.

(warning e-mail)



*時區	UTC+08:00 Taipei	
發送Email間隔	每隔 0不發送	發送電子郵件
發送LINE間隔	每隔 0不發送	發送 LINE 通知
發送LINE官方帳號		
每月發送LINE次數	0	

(turn off e-mail alarm)

- **High/Low alarm setting:** Select High/Low parameters' alarm with figures.

感測器編號	LO Alarm 警報低值	HI Alarm 警報高值	單位	設定熱緊迫 指數(THI)範圍	感測器編號	LO Alarm 警報低值	HI Alarm 警報高值	單位
01 (Temp)	0	0	C		02 (Humidity)	0	0	%

- **Temperature & Humidity setting range(Refer to the specification of the meter) :**

Product number	Sensor	Range
98198PTHA_WiFi	Temperature	0.0~ 50.0℃
	Humidity	0.0~99.9%

	Ammonia	0~50ppm
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- Gas Detector High/Low alarm selection: (V: available, X: not available) :

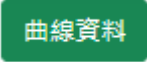
Sensor	High alarm setting	Low alarm setting
Temperature	V	V
Humidity	V	V
Ammonia	V	V

- Unit:

Parameters	Unit	
Temperature	(°C)	(°F)
Humidity	%	
Ammonia	ppm	

※ Remember to press save icon  after edition completed.

Data Monitor

Press B01 曲線資料  to view the curve.

B01 資料監視器 查詢欄位 設備標籤 包含

查詢 控 水 氣 土 象 設備控制 曲線資料 數字資料 資料備份下載

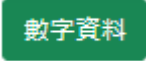
定位氣象觀測站

Select Period
☒ 選擇期間 今天
☐ Data query range for numeric values
 ○ 數字資料查詢區間起 2025/07/24 ~ 2025/07/24

345F455FBE98 伊朗2025-19
 345F455F3875 伊朗2025-20

勾選感測器: ☒ Temp ☒ Humidity
 Sensor curve display  列印曲線圖

1. **Select period** : Select the uploaded data within a period of time
 2. **Data query range for numeric values**: Select the exactly start-end date to view the data and curve .
 3. **Sensor curve display** : It shows at most four parameters in the curve, if the meter has multi-function, select demanded sensors to show in the graph.
 4. **Show curve** : Select device and period, and then check sensors to be displayed, and then press Enter(重新查詢) , now curve shows automatically.
- Move mouse to the curve, the sensor value of date and time will show on the screen.
 ※It only shows previous sensor reading at the cross point of the graph. The display show at most 4 curves, if meter has multiple monitor function, user can select demanded sensor value by checking sensor curve display box .

7. **Show data**: Click Numeric data  to get Data Table. User can choose to download all data or interval data.

設備標籤: 98059

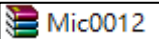
區間資料: 2025/07/24 00:00:00 ~ 20250724 (55 筆記錄)

顯示 項結果

刪除勾選資料  

Export range data Export All data

8. **Download Excel** : Click export range data or export all data to download excel as Compressed Zip file. Unzip compressed

file  , and open excel file to check recorded data. (Refer to the picture below).

序	日期	時間	溫度Tem	濕度Humidity(%)	熱緊迫指數THI(°C)	備註
1	20250724	04:33:02	28.7	88.3	78.7186	
2	20250724	04:28:02	28.8	88.3	78.8879	
3	20250724	04:23:02	28.8	88.3	78.8879	
4	20250724	04:18:02	28.8	88.2	78.7064	
5	20250724	04:13:02	28.8	88.2	78.7064	
6	20250724	04:08:02	28.8	88.3	78.8879	
7	20250724	04:03:02	28.8	88.3	78.8879	
8	20250724	03:58:02	28.8	88.3	78.8879	
9	20250724	03:53:02	28.8	88.2	78.8879	

※Excel will show the data from the beginning to the date you press download icon.

NOTE: The uploaded data will be stored in the Cloud for only 6 months. Remember to download data every period of time if required. Otherwise, the data will be cleared after 6 months.

8. Logout: Pressing “Logout” in the upper right corner.

Troubleshooting:

Q: How far the units can be from the router?

A: Around 100 meter (no obstacle, frequency interrupt) and depend on the strength of the router. The more antennas, the farther distance it will transmit.

Q: Incorrect readings in data table?

A: It stands detect reading exceeds Temperature, Humidity specification (out of range)

Q: Is the unit of temperature in cloud accord with the unit in meter?

A: No, the temperature unit of the meter should be changed manually, the unit in cloud won't sync. to the meter.

Q: Erratic readings ?

A: Re-plug in the adaptor again. Or sensor is damaged.

Q: Display show “----” ?

A: Probe is disconnected or sensor is warming up.

Error Code:

Code	Description
Er 1	Sensor failed.
Er 2	Out of measured range.

WARRANTY

This instrument is warranted for two years from the date of purchase (One limited warranty applies to cables). A Return Authorization letter must be issued before returning for any reason. This warranty does not apply to defects resulting from action of the user such as misuse, abuse, alteration neglect, improper wiring, improper maintenance or repair, or unauthorized modification, damage resulting from leaking batteries, operation outside of specification. During the warranty period the manufacturer reserved the right to decide either to repair or replace the product. The meters are to be returned along with good packing to prevent any damage in shipment and insured against possible damage or loss.

The two years' warranty doesn't apply to:

- Accessories and batteries (not covered by warranty).
- Claims is not acceptable for improper use (including adaptation to particular applications not foreseen in the instructions manual) or improper combination with incompatible accessories or equipment, or by previous attempts for repair carried out by none skilled or unauthorized personnel.
- Sensor damaged by user improper use (Watering, Burning, Condensation....)