

Air Quality Detector

Users Manual

MH-058 (WIFI version)

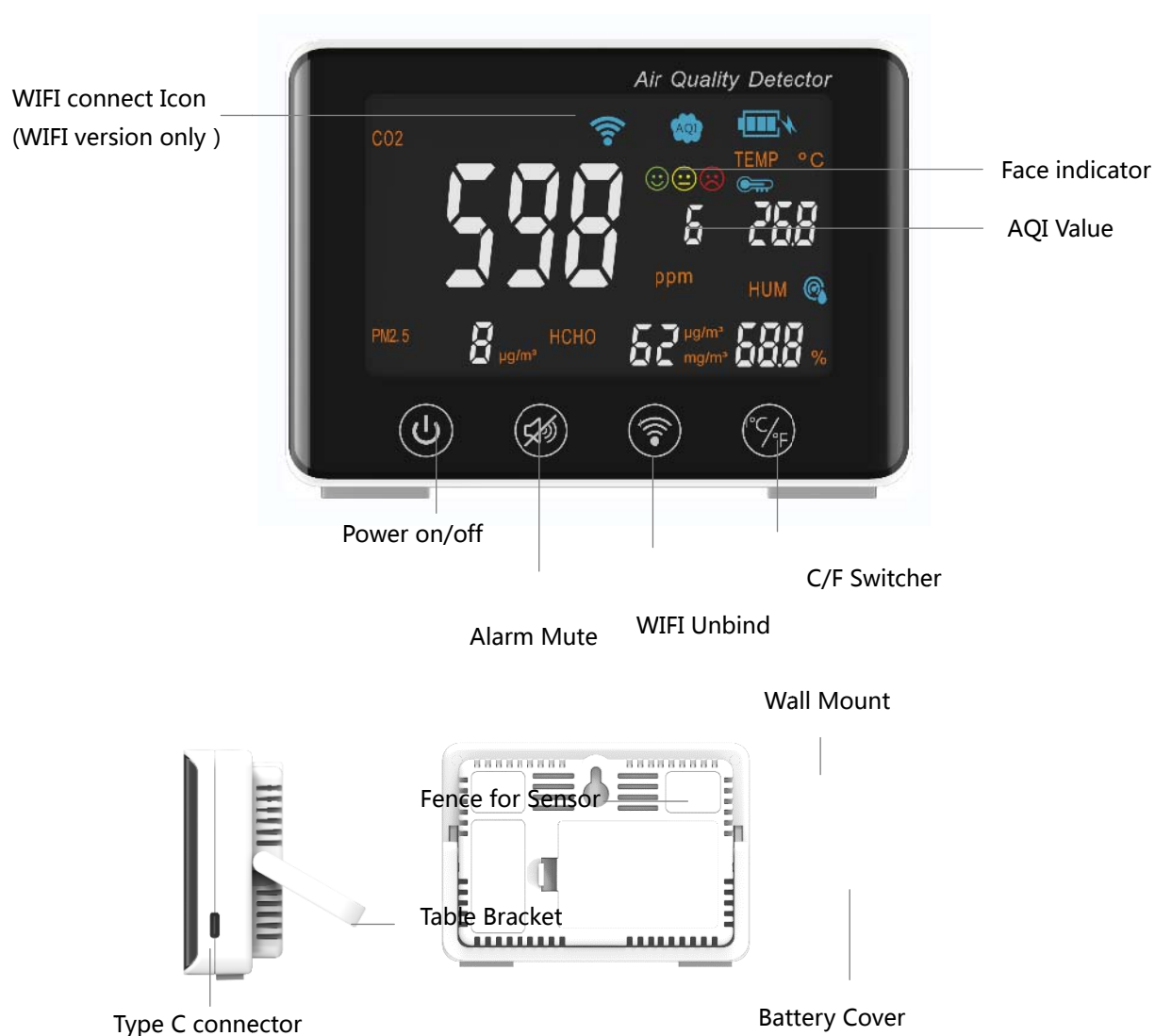


Special statement: The illustrations of the products, accessories and user interface in the manual are all schematic diagrams and are for reference only. If there is a difference between the actual product and the schematic diagram due to product updates and upgrades, please refer to the actual product received and the manufacturer will not notify you separately.

Before start

- 1) This product should not be dipped in water, nor should it be placed in a high temperature environment exceeding 60°C.
- 2) This product belongs to precision measuring instrument and shall not be dismantled without authorization.
- 3) It cannot be measured in the environment of organic gas with too high concentration for a long time.
- 4) Built-in lithium battery, when measuring the air quality in the car, please do not put the carbon dioxide monitor with lithium battery in the sun;

Product Drawing



Note:

1. Press **Power** button 5S to power on or power off;
2. When device is alarming, user can press **Mute** button, after 15s, warning function will be recovered.
3. Press **Mute** button for 5S, till there was a short beep, device has turned on or off Alarm function. When LED is green, means turn off the alarm function; when LED is off, means turn on the alarm function.
4. To press **WIFI** button, press it for 5S, till there was a short beep, device will unbind the mobile APP WIFI connecting. (**WIFI version model only**)
5. Press **C/F** button, can switch temperature between °C and °F.
6. **Fences** all around the product, can make the sensor to fully contact the air.

Alert

Whether the CO2 value exceeds the standard is indicated by the expression icon and indicator light, as shown in the following table:

		
Good	Normal	Bad
400-999ppm	1000-1399ppm	over 1400ppm
	Alarm 5 times every 15s	Alarm 10 times every 15s

Main Specification

1. Product Name: Air Quality Detector
2. Model Name: MH-058 (Tuya WIFI-BT Version)
3. Detecting Item: CO₂ / Temp / Hum / AQI / HCHO / PM_{2.5}
4. Material: ABS/Acrylic/Electronic Components/Air Sensors
5. CO₂ : 400-5000ppm (±50ppm + 6%)
6. PM_{2.5}: 0-999µg/m³
7. HCHO: 0-9999µg/m³
8. AQI : 0-99
9. Temperature : 0-55°C (C/F switchable)
10. Humidity : 0-99%
11. WIFI icon : WIFI function active, display WIFI icon (Option)
12. Battery icon : Show battery usage and charging status;
13. AQI icon : AQI value based on PM_{2.5} value, displaying value will be from 0-99;
14. Li-Battery: 1000mAh (Working time: 3-5 Hours)
15. Type-C Power Supply: 5V/2A
16. WiFi: IEEE802.11/b/g/n 2.4GHz
17. Size: 123*86*32mm
18. Weight: 300g
19. Working current: 5V/500mA
20. Rated Power : 5W
21. Standby Current : < 3mA
22. WIFI supporting: Tuya WIFI CB3S (Optional)
23. Connecting Platform: Tuya APP / PC tool / Tuya Server
24. Patent code: 202130216715.1



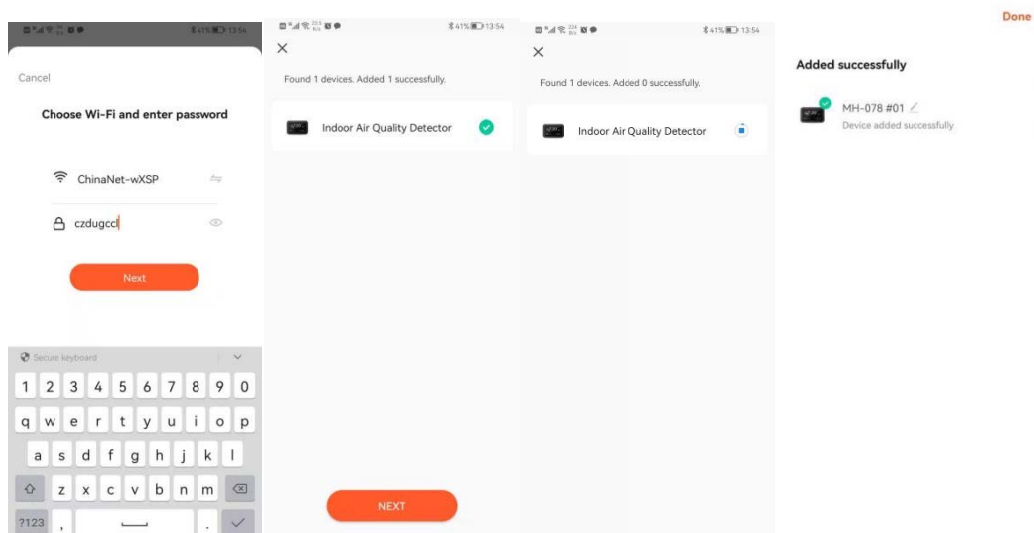
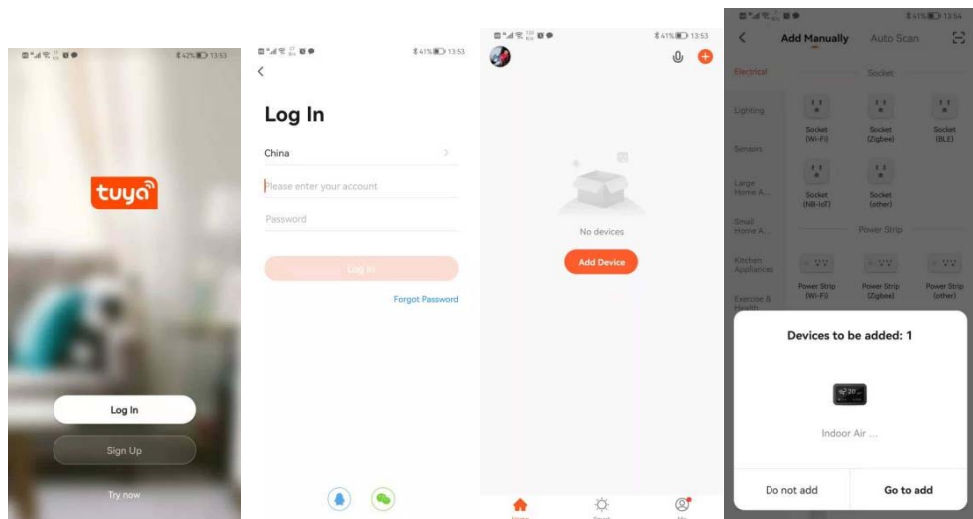
APP using

1. APP name: Tuya Smart

2. App icon& QR code:



3. App operation



PC Tool using



Before using, please check if your computer supports CH340 serial port. User can operate PC tool as guide.

Notice: PC tool requires device working as least 24 hours.

Shenzhen NewXuntech electronic & technology co., ltd Test version

PORT

COM Refres

Status

☐ PM2.5 (ug/m3) ☐ PM10 (ug/m3) ☐ CO2 (ppm) ☐ T (°C) ☐ RH (%)

☐ TVOC (ug/m3) ☐ HCHO (ug/m3) ☐ O3 (ug/m3) ☐ NO2 (ug/m3)

2021/ 6/ 7 to 2021/ 6/ 7

FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.