

Temtop

H3



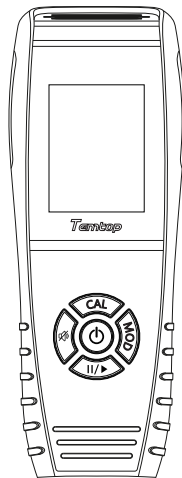
Overview

The detector can accurately detect formaldehyde and TVOC concentration. With a high-precision electrochemical formaldehyde sensor, it can directly transform the concentration of formaldehyde and TVOC in the air into visual data, providing air quality alert to effectively safeguard your family.

Application

Indoors, Outdoors, Vehicles, etc.

Appearance



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Specification

- Name: Portable formaldehyde detector
- Model: H3
- Display: TFT color LCD screen
- Battery voltage: 3.7VDC
- Power adapter:
charge voltage: 5VDC
charge current: 1A
- Dimensions: 177*65.5*32 mm
- Operating environment:
Temperature: 0~50 °C (32~122 °F)
Humidity: 0~90%RH
Air pressure: 1atm
- Measurement range:
Formaldehyde measurement technical index
Range: 0-5mg/ m³
Resolution: 0.01mg/m³
TVOC measurement technical index
Range: 0-5mg/ m³
Resolution: 0.01mg/m³

Health Parameters Guide

HCHO (mg/m ³)	TVOC (mg/m ³)	Level
0-0.1	0-0.5	Healthy
>0.1	>0.5	Unhealthy

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Operation

1. Turn on/off the detector

Press and hold power button 2 seconds to turn on/off the detector.

2. Manual calibration

Press and hold the button “CAL” for 4 seconds to enter calibration status, the screen will display calibration information. Place the detector outdoor for 10 minutes and calibration ends. Press any button in the calibration process, the detector will exit calibration mode, indicating an invalid calibration.

3. Detect the concentration of HCHO and TVOC

Place the calibrated detector in the target environment, and it will automatically detect HCHO and TVOC concentration.

4. Power indication

 : Battery full
 : Battery low. Please charge.

5. Switch of display content

MOD : Press it to shift between display interface and bar graph interface.
CAL : Press it for 4 seconds to enter or exit calibration mode.
 : Press it once to mute buzzer beep. Press it again to enable alarm function.
H/▶ : Press the button in detection mode, the detector holds currently displayed data and “Hold” appears on the top of the screen. Press it again, the detector restore real-time detection status and “Running” appears on the top of the screen.

Operation Notice

- Don not put the detector in the environment where the concentration formaldehyde is over 1.0mg/m³ for long time. Long-time exposure to high-concentration air pollutants will damage the sensor and make it work improperly.
- Please put the detector in a ventilated environment for 6 hours when you use it for the first time to avoid the influence of micro interfering gas inside the package.
- It is normal to display a higher value when the detector is turned on for the first time or unused for a long time. Place it in ventilation to accelerate data recovery.
- Before detection , please keep the room airtight for 10 minutes.The detector will provide more accurate data. Please take the average value of multiple points detected in different places of the room to know its overall air quality.
- Avoid contact with organic solvents which include silica gel and other adhesives, paintings, drugs, oil and high-concentration gases.
- Avoid using the detector in humid environment to make sure the accuracy of test data.
- Avoid bump, strike and drop.
- Do not cover the detection port when using the detector.
- Be cautious of cross interference.

Due to its electrochemical reaction characteristic, the sensor may responds to other gases besides the target gas. Please avoid using the detector in the environment containing following gases to guarantee the accuracy of data. Interference gases are as follows:

Interference Gas	Relative Sensitivity (%)
Carbon monoxide (CO)	1
Hydrogen sulfide (H ₂ S)	/
Hydrogen (H ₂)	0.1
Sulphur dioxide (SO ₂)	12
Nitrogen dioxide (NO ₂)	/
Nitric oxide (NO)	/
Chlorine (Cl)	-3
Ethylene (C ₂ H ₄)	/
Ammonia (NH ₃)	0
Carbon dioxide (CO ₂)	0
Methanol, ethanol	50
Phenols	7

Packing List

Main machine.....1 Set
USB cable.....1 Piece
User manual.....1 Piece

Warranty Rule

Temtop warrants the included detector for 1 year from the date of original purchase. The item can be exchanged or returned within 30 days if the defect is not caused by artificial damage.

Item	Warranty Period
Detector	1 year included
Accessories	N/A

Before returning or delivering for repair, please check if the following items are ready:

	Detector & Accessories	Complete Package	Proof of Purchase*	Gift (if any)
Return	✓	✓	✓	✓
Exchange	✓	✓	✓	
Repair	✓		✓	

**Including invoice, order number and etc.*

- Temtop warranty does NOT include:
- Malfunction or damages caused by artificial damage or modification.
 - Other deliberate damages.
 - Damages caused by force majeure.