Temtop H2

Temtop H2 Air Quality Detector User Manual

Model: H2

1. INTRODUCTION

The Temtop H2 is a professional air quality detector designed for real-time monitoring of Formaldehyde (HCHO) and Total Volatile Organic Compounds (TVOC). This device provides accurate readings to help assess indoor air quality. This manual provides essential information for the safe and effective use of your Temtop H2 detector.
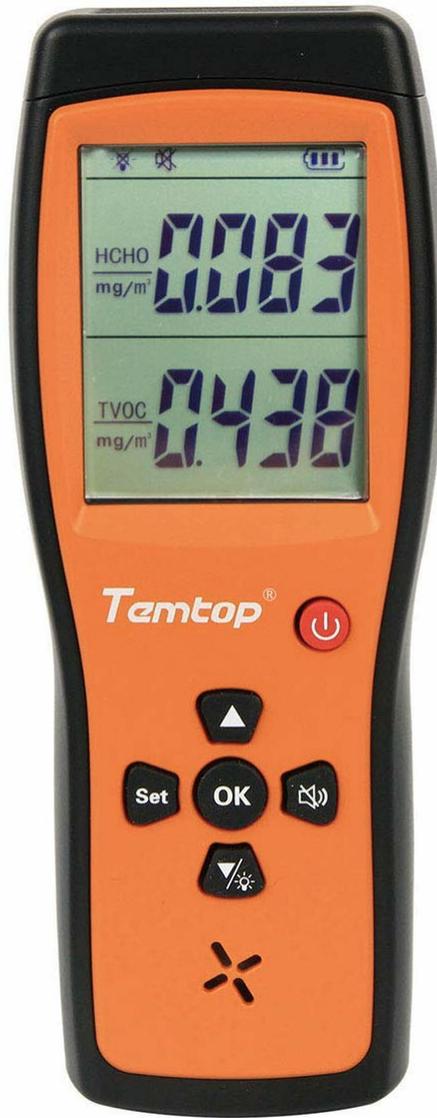
Image: Temtop H2 Air Quality Detector and accessories in its box.

2. SAFETY INFORMATION

- Read all instructions thoroughly before operating the device.

- Do not attempt to disassemble or modify the device. This may cause damage and void the warranty.

- Keep the device away from water, high humidity, and extreme temperatures.

- Avoid placing the device near strong chemical sources or in areas with high dust concentration, as this may affect sensor accuracy.

- Use only the specified batteries and charging cable.

3. PRODUCT COMPONENTS

The Temtop H2 package includes the following items:

- Temtop H2 Air Quality Detector

- Charging Cable

- Reset Pin

- User Manual (this document)

Device Overview

The Temtop H2 features a clear display, intuitive control buttons, and a high-accuracy sensor for detecting HCHO and TVOC levels.

Image: Close-up view of the Temtop H2 detector showing the high-accuracy sensor for HCHO/TVOC.
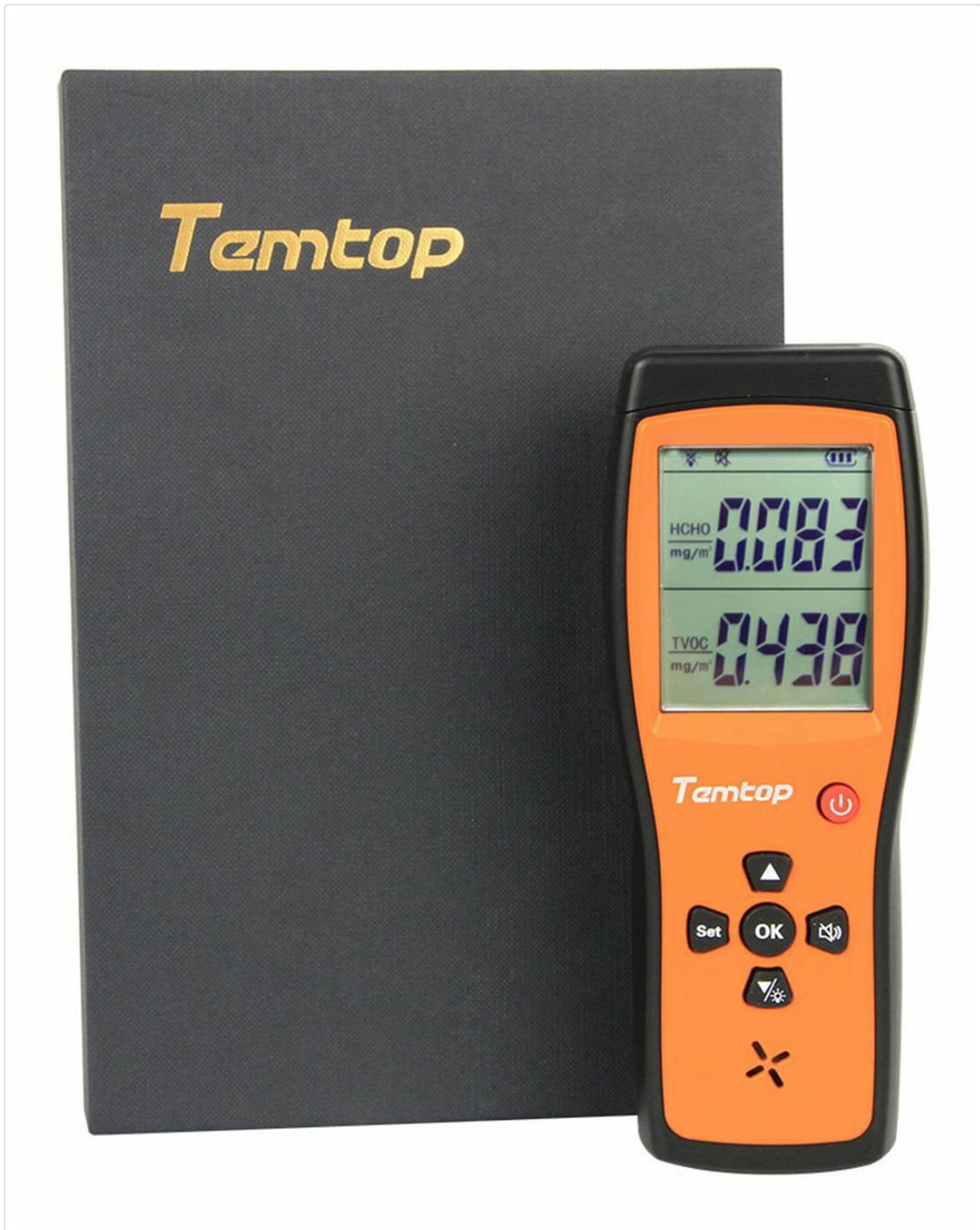
Image: Rear view of the Temtop H2 detector, showing the sensor vent and battery compartment cover.

4. SETUP

4.1. Battery Installation

1. Locate the battery compartment on the back of the Temtop H2 detector.

2. Slide open the battery compartment cover.

3. Insert 3 AA batteries (included), ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

3 AA Batteries

Image: The open battery compartment of the Temtop H2, showing the placement for 3 AA batteries.

4.2. Initial Power On

After installing the batteries, press and hold the red power button (**U**) located on the front of the device to turn it on. The device will perform a brief self-check before displaying readings.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

- To power on: Press and hold the red power button (**U**) until the screen illuminates.
- To power off: Press and hold the red power button (**U**) until the screen turns off.

5.2. Display Information

The device's screen displays real-time measurements and status indicators:

- **HCHO:** Formaldehyde concentration in milligrams per cubic meter (mg/m³).

- **TVOC:** Total Volatile Organic Compounds concentration in milligrams per cubic meter (mg/m³).

- **Battery Indicator:** Shows the current battery level.

- **Audio Alarm Icon:** Indicates if the audible alarm is active.

- **Backlight Icon:** Indicates if the screen backlight is active.

Image: The Temtop H2 detector displaying real-time HCHO and TVOC readings in an indoor setting.

5.3. Button Functions

The control panel features several buttons for device operation:

Image: Close-up of the Temtop H2 control buttons, including Set, OK, Up, Down, Speaker, and Backlight.

- **Set Button:** Enters the settings menu.
- **OK Button:** Confirms selections or exits menus.
- **Up/Down Arrow Buttons:** Navigates through menu options or adjusts values.
- **Speaker Icon Button:** Toggles the audible alarm on or off.
- **Lightbulb Icon Button:** Toggles the screen backlight on or off.

5.4. Audio Alarm

The Temtop H2 is equipped with an audible alarm that activates when HCHO or TVOC levels exceed preset thresholds. To enable or disable the alarm, press the **Speaker Icon Button**. When enabled, an alarm icon will appear on the display.

5.5. Health Parameter Guide

Refer to the following guide for understanding the health implications of detected HCHO and TVOC levels:

Image: A table illustrating HCHO and TVOC concentration ranges and their corresponding levels of health concern (Healthy or Unhealthy).

Health Parameter Guide

HCHO (mg/m³)	TVOC (mg/m³)	Levels of Health Concern
0 - 0.1	0 - 0.5	Healthy
> 0.1	> 0.5	Unhealthy

6. MAINTENANCE

6.1. Cleaning

To clean the device, gently wipe the exterior with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the device or affect sensor performance.

6.2. Storage

When not in use for extended periods, store the Temtop H2 in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for several months to prevent leakage.

6.3. Battery Replacement

Replace the 3 AA batteries when the low battery indicator appears on the screen to ensure continuous and

accurate operation. Follow the battery installation steps outlined in Section 4.1.

7. TROUBLESHOOTING

- **Device does not turn on:**
  Check if the batteries are installed correctly with the right polarity. Ensure the batteries have sufficient charge. Try replacing the batteries.

- **Readings appear inaccurate or fluctuate significantly:**
  Allow the device to stabilize for at least 5-10 minutes after powering on, especially in a new environment. Ensure the device is not placed near strong sources of chemicals (e.g., cleaning products, fresh paint) or in areas with high airflow that could interfere with readings.

- **Alarm sounds continuously:**
  Check the HCHO and TVOC readings on the display. If levels are genuinely high, ventilate the area. If readings appear normal but the alarm persists, try resetting the device using the provided reset pin by inserting it into the reset hole.

- **Screen is dim or off:**
  Press the **Lightbulb Icon Button** to toggle the screen backlight. Check battery level and replace if low.

8. SPECIFICATIONS

Feature	Specification
Brand	Temtop
Model	H2
Sensor Type	HCHO, TVOC
Power Source	Battery Powered (3 AA batteries required, 1 Lithium Metal battery included)
Item Weight	0.49 Kilograms (1.08 pounds)
Product Dimensions	6.02 x 1.81 x 8.86 inches
Alarm	Audible
Operating Humidity	Up to 90% (non-condensing)
Upper Temperature Rating	50 Degrees Celsius
Material	Plastic

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Please refer to the warranty card included with your product or visit the official Temtop website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting not covered in this manual, or other inquiries, please contact Temtop customer support. Contact information can typically be found on the official Temtop website or on

the product packaging.