

[Manuals.plus](#) /

› [SENCKIT](#) /

› SENCKIT WiFi Temperature and Humidity Sensor User Manual

## SENCKIT TH16-M

# SENCKIT WiFi Temperature and Humidity Sensor User Manual

Model: TH16-M

## 1. INTRODUCTION

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The SENCKIT WiFi Temperature and Humidity Sensor is an intelligent device designed to monitor environmental conditions in your home. Featuring an LCD screen with backlight and PIR induction light, it provides real-time temperature and humidity readings, along with time and date. This smart hygrometer helps you maintain optimal conditions in various indoor spaces such as wine cellars, greenhouses, basements, and living areas. It can be placed on any flat surface or wall-mounted.



Figure 1: SENCKIT WiFi Temperature and Humidity Sensor and companion app.

## Widely Use



House



Basement



Figure 2: Common application scenarios for the sensor.

## 2. SAFETY INFORMATION

Please read all safety instructions before using the device. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Keep the device away from water and other liquids.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Use only the provided USB cable for power.
- This device is not suitable for children under 36 months.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SENCKIT WiFi Temperature and Humidity Sensor
- 1 x USB Cable (1.5m/59in)

## 4. PRODUCT OVERVIEW

The SENCKIT TH16-M features a clear LCD display and an infrared sensing area for backlight activation.



Figure 3: Product features including the Infrared Sensing Area.

### Key Features:

- **Large LCD Display:** Provides clear view of time, date, temperature, and humidity.
- **Intelligent Backlight:** Screen lights up for approximately 10 seconds when an object passes by the infrared sensing button (distance  $\leq 5\text{cm}$ ).
- **PIR Induction Light:** Activates the backlight for easy viewing.

- **Wi-Fi Connectivity:** Connects to your home Wi-Fi network (2.4GHz) for remote monitoring and smart features.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant.
- **Smart Scene Linkage:** Allows for automation with other smart devices via the app.
- **USB Powered:** No batteries required.

## 5. SETUP

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### 5.1 Powering the Device

Connect the provided USB cable to the sensor's Micro USB input port and plug the other end into a DC 5V/1A power adapter (not included) or a USB port.

### 5.2 App Installation

The SENCKIT sensor works with the Tuya Smart or Smart Life App. Download the app from your mobile device's app store or scan the QR code on the product packaging.

# Temperature & Humidity Sensor with LCD Screen & Backlight



- °C ↔ °F
- Switch
- Temperature
- Humidity
- Time

Figure 4: Scan QR code for app download. You can also download the app from [smartapp.tuya.com/smartlife](https://smartapp.tuya.com/smartlife).

1. Search for "Tuya Smart" or "Smart Life" in the Apple App Store or Google Play Store.
2. Download and install the app.
3. Register a new account or log in with an existing one.

### 5.3 Connecting to Wi-Fi and Pairing

Ensure your mobile device is connected to a 2.4GHz Wi-Fi network. The sensor only supports 2.4GHz Wi-Fi (IEEE 802.11 b/g/n).

1. Open the Tuya Smart/Smart Life App.
2. Tap "+" in the top right corner to add a device.
3. Select "Sensor" or "Temperature and Humidity Sensor" from the device list.
4. Follow the on-screen instructions in the app to put the device into pairing mode (usually involves pressing and holding a button on the device until an indicator light flashes).
5. Enter your Wi-Fi network password when prompted.
6. Wait for the device to connect. Once connected, the LED indicator will turn blue, and the device will appear in your app.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Reading Temperature and Humidity

The current temperature and humidity are displayed on the LCD screen. The device provides real-time updates without delay.

# Application scenarios



▲ living room



▲ bed room



▲ wardrobe



▲ wine cellar



Figure 5: Accurate measurement and real-time updates.

## 6.2 Switching Temperature Units

- **On the Device:** Press the reset button once to switch the temperature unit between Celsius (°C) and Fahrenheit (°F) on the device's LCD screen.
- **In the App:** To change the temperature unit displayed in the mobile app, adjust the setting within the Tuya Smart/Smart Life App.

## 6.3 Smart Scene Linkage

Utilize the app's smart scene feature to automate actions based on temperature and humidity conditions. This allows the sensor to trigger other smart devices.

# Accurate measurement

## Real-time update without delay

Temperature accuracy:  $\pm 1^{\circ}\text{C}$  Humidity accuracy:  $\pm 5\%\text{RH}$

$1^{\circ}\text{C}$

room temperature

$5\%\text{RH}$

Relative humidity



Figure 6: Example of intelligent linkage with other smart devices.

### Examples:

- Set a condition: "If temperature reaches  $26.2^{\circ}\text{C}$ , turn on the air conditioner."
- Set a condition: "If humidity drops below 67.0%, turn on the humidifier."
- Receive alerts for high/low temperature or humidity conditions.

### 6.4 Voice Control

The sensor is compatible with Amazon Alexa and Google Assistant, allowing you to query temperature and humidity using voice commands.

# Intelligent Linkage

Intelligent Linkage to Improve Indoor Temperature and Humidity

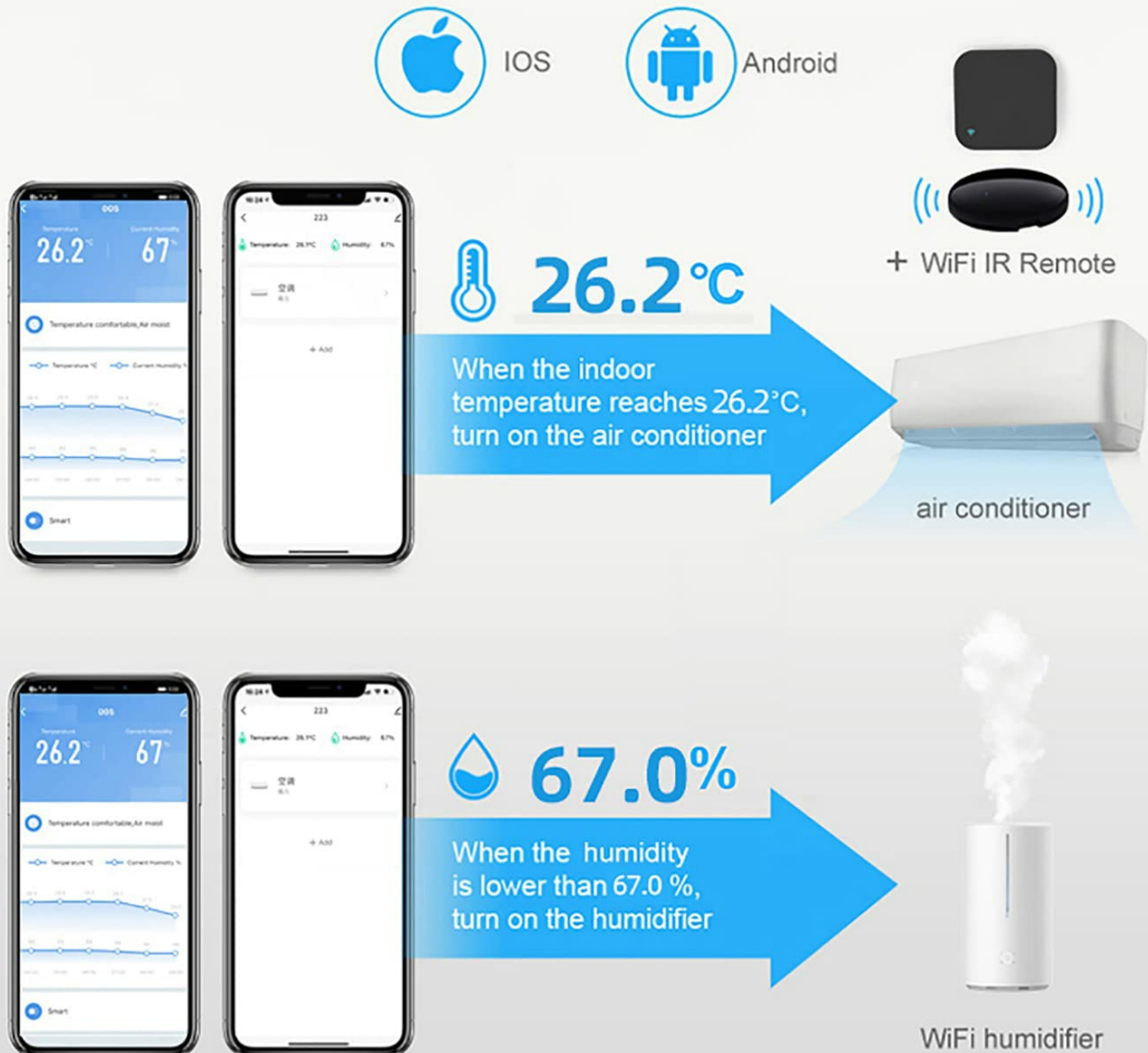


Figure 7: Voice control with Amazon Alexa.

## Example Commands:

- "Alexa, what's the temperature in [device name]?"
- "Hey Google, what's the humidity in [device name]?"

## 6.5 Remote Monitoring

Monitor temperature and humidity from anywhere using the Tuya Smart/Smart Life App on your smartphone.



Figure 8: Remote monitoring via the app.

## 7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Placement:** Ensure the sensor is placed in an area with good Wi-Fi signal and away from direct heat sources or drafts that could affect readings.
- **Software Updates:** Keep the Tuya Smart/Smart Life App updated to the latest version for optimal performance and new features.

## 8. TROUBLESHOOTING

| Problem                    | Possible Cause                                                 | Solution                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device not powering on.    | USB cable not connected properly or power source issue.        | Ensure the USB cable is securely connected to both the device and a working power source (DC 5V/1A). Try a different USB port or adapter.                                                   |
| Cannot connect to Wi-Fi.   | Incorrect Wi-Fi password, 5GHz network, or weak signal.        | Verify Wi-Fi password. Ensure you are connecting to a 2.4GHz Wi-Fi network. Move the device closer to the router. Reset the device and try pairing again.                                   |
| Inaccurate readings.       | Device placed near heat sources, vents, or in direct sunlight. | Relocate the sensor to a stable environment away from direct heat, cold drafts, or high humidity sources. Allow time for readings to stabilize.                                             |
| Voice control not working. | Incorrect setup with Alexa/Google Assistant or device offline. | Ensure the device is online in the Tuya Smart/Smart Life App. Re-link the Tuya Smart/Smart Life skill in your Alexa or Google Home app. Use the correct device name in your voice commands. |

## 9. SPECIFICATIONS

| Feature                   | Detail                                |
|---------------------------|---------------------------------------|
| Model                     | TH16-M                                |
| App Compatibility         | Tuya Smart / Smart Life App           |
| Micro Input               | DC 5V / 1A                            |
| LED Indicator             | Blue                                  |
| Wi-Fi Protocol            | 2.4GHz                                |
| Wi-Fi Standard            | IEEE 802.11 b/g/n                     |
| Temperature Measure Range | 0-60°C (32-140°F)                     |
| Temperature Accuracy      | ±1°C (±1.8°F)                         |
| Humidity Measure Range    | 0% RH ~ 99% RH                        |
| Humidity Accuracy         | ±5% RH                                |
| Dimensions                | 80 x 80 x 16mm (3.15 x 3.15 x 0.63in) |
| Weight                    | 128g (4.51oz)                         |
| USB Cable Length          | 1.5m (59in)                           |

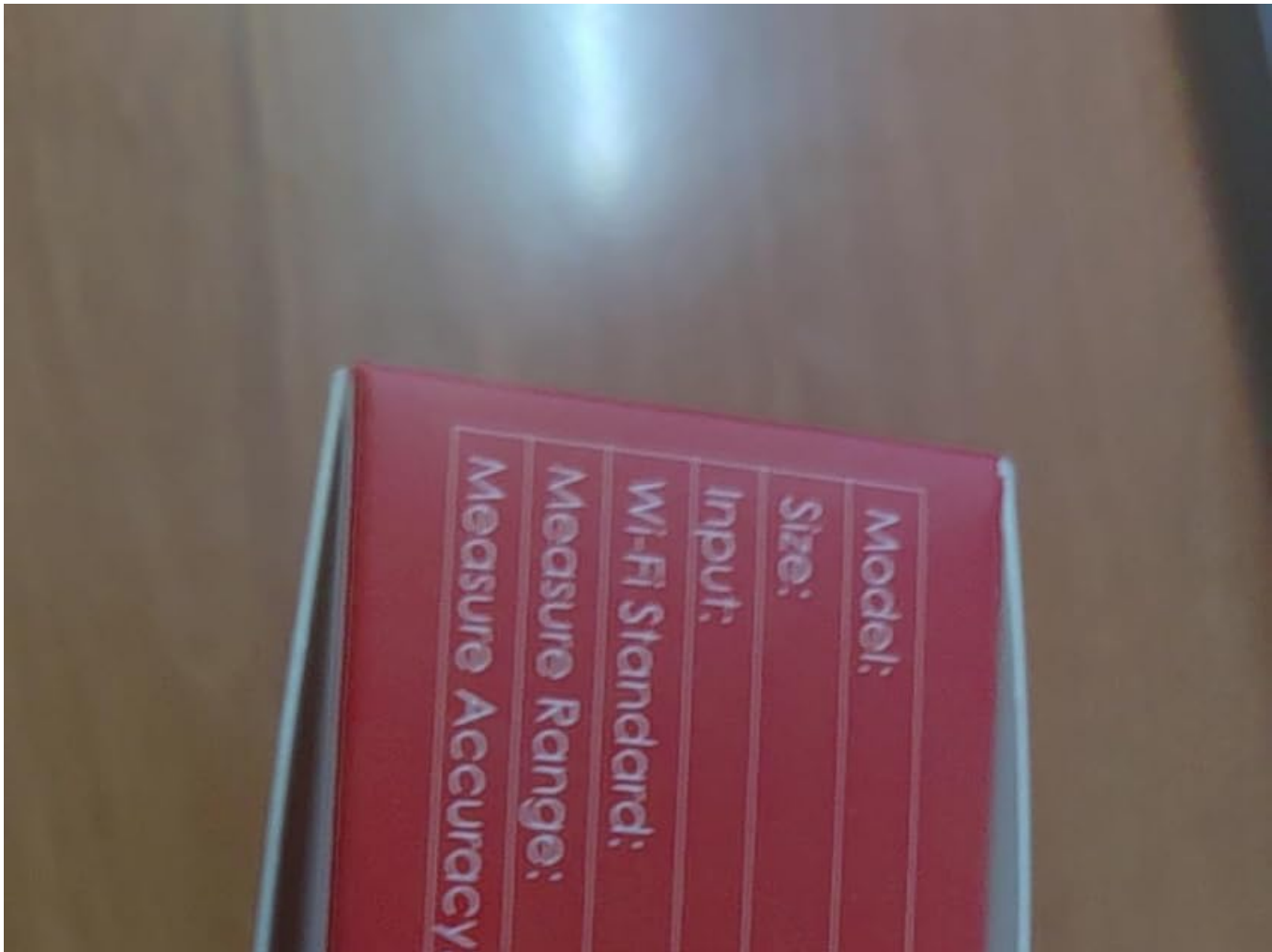




Figure 9: Product specifications as listed on packaging.

## 10. WARRANTY AND SUPPORT

SENCKIT provides a standard warranty for this product. For detailed warranty information, please refer to the warranty card included with your purchase or contact SENCKIT customer support.

For technical support, troubleshooting assistance, or any inquiries regarding your SENCKIT WiFi Temperature and Humidity Sensor, please contact our customer service team. Contact information can typically be found on our official website or on the product packaging.

Manufacturer: SENCKIT

Item Model Number: TH16-M

ASIN: B0B21WTTKD

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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