

KKnook HHXE25381-2

KKnook HHXE25381-2 Tuya WiFi 4-in-1 Air Quality Monitor User Manual

Model: HHXE25381-2 | Brand: KKnook

1. INTRODUCTION

The KKnook HHXE25381-2 is a versatile 4-in-1 environmental air quality detector designed for household and various indoor environments. This device integrates the detection of decibel levels, carbon dioxide (CO2) concentration, temperature, and humidity into a single, wall-mountable unit. It features a large LED display with adjustable brightness and a user-friendly interface, including color-coded indicators for air quality.

Key functionalities include automatic data measurement, CO2 auto-calibration for accuracy, and an over-limit alarm system with customizable thresholds and alarm sound control. For enhanced convenience, an optional Tuya APP function allows for remote monitoring of environmental data via a mobile device.

2. PACKAGE CONTENTS

- 1 x KKnook HHXE25381-2 Air Quality Monitor
- 1 x USB Charging Cable
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The device features a clear LED display that simultaneously shows decibel levels, CO2 concentration, temperature, and humidity. Indicators such as signal strength, battery status, and Wi-Fi connectivity are also present. The back of the device includes mounting holes for wall installation and ventilation grilles for sensor operation.



Figure 3.1: Front view of the monitor displaying environmental data.

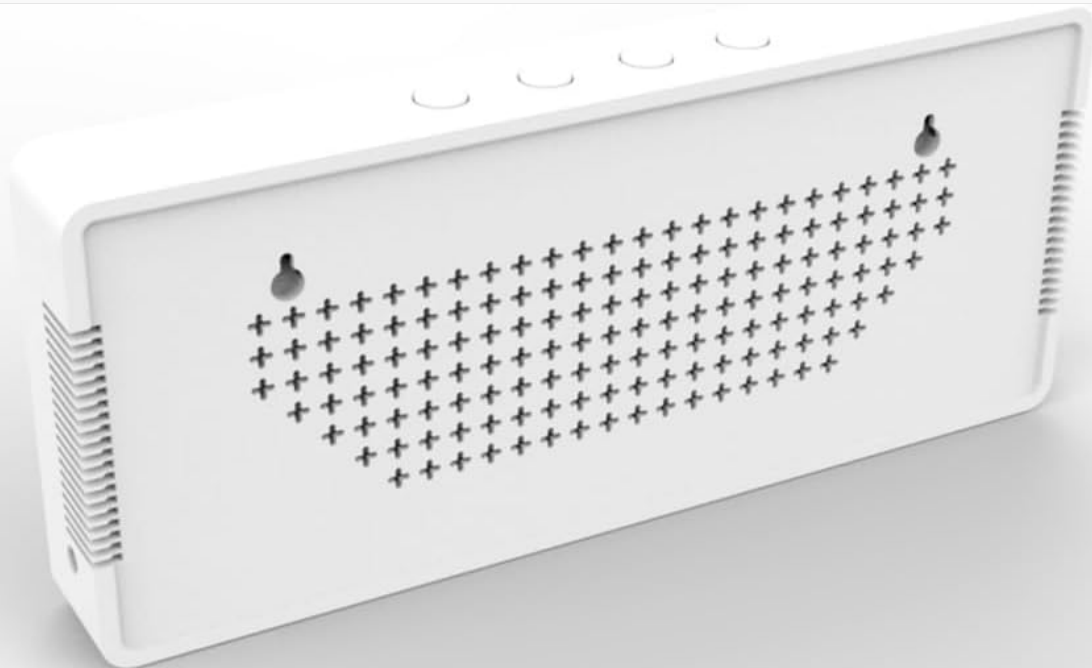


Figure 3.2: Rear view of the monitor, highlighting wall mounting points.

4. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	HHXE25381-2
Material	ABS
Display	LED display
Battery	1 x 2000mAh rechargeable Li-battery (included)
CO2 Technology	Infrared (NDIR)
CO2 Concentration Unit	PPM
CO2 Detection Ranges	400-5000 ppm
CO2 Alarm Value (Default)	1000ppm
CO2 Alarm Threshold Setting	800ppm-2000ppm
Noise Detection Method	Electret condenser microphone
Noise Concentration Unit	dB
Temperature Unit	°C
Item Size	270 * 118 * 35mm / 10.63 * 4.65 * 1.38in
Item Weight	320g / 11.29ounce / 0.71lb
Power Source	AC

5. SETUP

5.1 Charging the Device

Before first use, fully charge the device using the provided USB charging cable. Connect the cable to the device's charging port and a standard USB power adapter (not included). The battery indicator on the display will show charging status.

5.2 Powering On/Off

Press and hold the power button (location typically on the side or back) for a few seconds to turn the device on or off. The LED display will illuminate upon power-on.

5.3 Wall Mounting

The device is designed for wall-mounted installation. Use appropriate screws and wall anchors (not included) to secure the device to a wall using the mounting holes on the back. Ensure the device is placed in a location free from obstructions to allow for accurate air circulation and sensor readings.



Figure 5.1: Example of the monitor mounted on a wall.

6. OPERATING INSTRUCTIONS

6.1 Understanding the Display

The LED display provides real-time readings for:

- **Decibel (dB):** Sound level in decibels.
- **CO2 (ppm):** Carbon Dioxide concentration in parts per million.
- **Temperature (°C):** Ambient temperature in Celsius.
- **Humidity (%):** Relative humidity percentage.

The display also features color-coded smiley patterns to visually indicate the general air quality status, changing from green (good) to yellow (moderate) to red (poor) based on detected levels.

6.2 Adjusting LED Brightness

The LED screen brightness can be manually adjusted to suit different lighting conditions. Refer to the device's

physical buttons (usually labeled 'Brightness' or indicated by an icon) to cycle through brightness levels.

6.3 CO2 Auto-Calibration

The device is equipped with an automatic CO2 calibration function to maintain measurement accuracy. For optimal performance, ensure the device is exposed to fresh outdoor air periodically, or follow specific instructions in the device's menu for manual calibration if available.

6.4 Setting CO2 Alarm Thresholds

The device provides an automatic alarm when CO2 levels exceed a preset threshold. You can manually adjust this threshold between 800ppm and 2000ppm. Consult the device's menu or control buttons for instructions on how to access and modify this setting.

6.5 Alarm Sound Control

The audible alarm can be manually turned on or off. This allows customization based on user preference and environment. Locate the dedicated button or menu option for alarm sound control.

7. TUYA APP CONTROL (OPTIONAL)

For models equipped with Tuya WiFi functionality, the device can be connected to the Tuya Smart mobile application. This allows you to view real-time measurement data, receive alerts, and potentially control certain device settings remotely.

7.1 Connecting to Tuya APP

1. Download the 'Tuya Smart' app from your mobile device's app store (iOS or Android).
2. Register or log in to your Tuya account.
3. Ensure your device is powered on and in pairing mode (refer to device display for Wi-Fi icon or pairing indicator).
4. In the Tuya Smart app, tap '+' to add a new device. Follow the on-screen instructions to connect the air quality monitor to your home Wi-Fi network.
5. Once connected, you can view environmental data and manage settings within the app.



Figure 7.1: Monitor showing Wi-Fi and Tuya connectivity indicators.

8. MAINTENANCE

8.1 Cleaning

Wipe the device's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water. Ensure the ventilation grilles on the back are free from dust and debris to maintain accurate sensor readings.

8.2 Battery Care

To prolong battery life, avoid fully discharging the device frequently. Charge the device when the battery indicator is low. If storing the device for an extended period, charge it to approximately 50% and recharge every few months.

9. TROUBLESHOOTING

9.1 Device Does Not Power On

- Ensure the device is fully charged. Connect it to a power source using the USB cable.
- Press and hold the power button for several seconds.

9.2 Inaccurate Readings

- **CO2:** Ensure the device has been exposed to fresh air for auto-calibration. Avoid placing it near strong air currents, vents, or direct sources of CO2 (e.g., breathing directly on it).
- **Temperature/Humidity:** Ensure the device is not in direct sunlight, near heat sources, or in areas with extreme temperature fluctuations.
- **Decibel:** Ensure the microphone is not obstructed.

9.3 Alarm Not Functioning

- Check if the alarm sound is enabled in the device settings.
- Verify that the CO2 alarm threshold is set correctly and that current CO2 levels exceed this threshold.

9.4 Tuya APP Connectivity Issues

- Ensure your Wi-Fi network is 2.4GHz (5GHz networks are typically not supported by smart home devices).
- Check that your Wi-Fi signal is strong where the device is located.
- Restart the device and attempt the pairing process again.
- Ensure your mobile device is connected to the same Wi-Fi network during the pairing process.

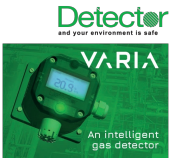
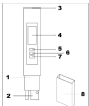
10. WARRANTY AND SUPPORT

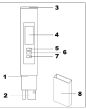
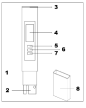
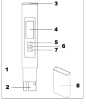

For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official KKnoon website. Keep your purchase receipt as proof of purchase for any warranty claims.



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Related Documents - HHXE25381-2

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<div><p>EN: WATRIUS - MANUAL DE UTILIZARE</p><p>WATRIUS E-2</p><p>Este un tester portabil TDS & EC care poate măsura conductivitatea apei și temperatura acesteia.</p><ul style="list-style-type: none">• Măsoară conductivitatea apei (EC) și TDS• Măsoară temperatura apei• Măsoară TDS<p>Caracteristici:</p><ul style="list-style-type: none">• Măsoară conductivitatea apei (EC) și TDS• Măsoară temperatura apei• Măsoară TDS<p>Caracteristici:</p><ul style="list-style-type: none">• Măsoară conductivitatea apei (EC) și TDS• Măsoară temperatura apei• Măsoară TDS<p>Caracteristici:</p><ul style="list-style-type: none">• Măsoară conductivitatea apei (EC) și TDS• Măsoară temperatura apei• Măsoară TDS</div> 	<p>WATRIUS E-2: Manual de Utilizare Tester TDS & EC Portabil</p> <p>Ghid complet pentru testerul portabil WATRIUS E-2, explicând funcțiile, specificațiile și instrucțiunile de utilizare pentru măsurarea TDS, conductivității și temperaturii apei.</p>
<div><p>ET: WATRIUS - KASUTUSJUHEND</p><p>WATRIUS E-2</p><p>See on portaalne TDS & EC testija, mis suut mõõta vee juhtivust ja temperatuuri.</p><ul style="list-style-type: none">• Mõõdab vee juhtivust (EC) ja TDS• Mõõdab vee temperatuuri• Mõõdab TDS<p>Omadused:</p><ul style="list-style-type: none">• Mõõdab vee juhtivust (EC) ja TDS• Mõõdab vee temperatuuri• Mõõdab TDS<p>Omadused:</p><ul style="list-style-type: none">• Mõõdab vee juhtivust (EC) ja TDS• Mõõdab vee temperatuuri• Mõõdab TDS</div> 	<p>WATRIUS E-2 TDS & EC Tester Kasutusjuhend</p> <p>Kaasaskantav WATRIUS E-2 TDS & EC tester veekvaliteedi mõõtmiseks. Juhend TDS-i, EC ja temperatuuri mõõtmiseks, funktsioonideks, hoolduseks ja ohutuks kasutamiseks.</p>
<div><p>HU: WATRIUS - HASZNÁLATI ÚTMUTATÓ</p><p>WATRIUS E-2</p><p>A portálisan használatos TDS & EC mérő, amely képes viz vezetőképességét és hőmérsékletét mérni.</p><ul style="list-style-type: none">• Működőképes vízvezetőképesség (EC) és TDS mérésre• Működőképes víz hőmérséklet mérésre• Működőképes TDS mérésre<p>Jellemzők:</p><ul style="list-style-type: none">• Működőképes vízvezetőképesség (EC) és TDS mérésre• Működőképes víz hőmérséklet mérésre• Működőképes TDS mérésre<p>Jellemzők:</p><ul style="list-style-type: none">• Működőképes vízvezetőképesség (EC) és TDS mérésre• Működőképes víz hőmérséklet mérésre• Működőképes TDS mérésre</div> 	<p>WATRIUS E-2 TDS & EC Tester User Manual</p> <p>User manual for the WATRIUS E-2 TDS & EC Tester, covering product description, measurement ranges, accuracy, functions, maintenance, usage, and disposal guidelines.</p>
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