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› YIELDON Tuya WiFi Air Quality Sensor E115-WF Instruction Manual

YIELDON E115-WF

YIELDON Tuya WiFi Air Quality Sensor E115-WF Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the YIELDON Tuya WiFi Air Quality Sensor, model E115-WF. This smart device is designed to monitor various indoor air quality parameters, including Carbon Dioxide (CO₂), Volatile Organic Compounds (VOC), Formaldehyde (HCHO), Temperature, and Humidity. It integrates with the Tuya Smart App for real-time monitoring and smart home automation.



Image 1.1: YIELDON Tuya WiFi Air Quality Sensor E115-WF and its packaging. The sensor is a compact, circular white device with a perforated top surface, shown next to its light blue product box.

2. SETUP

2.1 Package Contents

- YIELDON Tuya WiFi Air Quality Sensor E115-WF
- USB Power Cable (Type-C or Micro-USB, depending on model)
- Instruction Manual (this document)

2.2 Powering the Device

1. Connect the provided USB power cable to the sensor's power port.
2. Plug the other end of the USB cable into a compatible USB power adapter (not included) or a powered USB port.
3. The device will power on automatically.

2.3 App Installation and Device Pairing

1. Download the **Tuya Smart App** from your mobile device's app store (available on iOS and Android).
2. Register or log in to your Tuya Smart account.
3. Open the app and tap the "+" icon to add a new device.

4. Follow the on-screen instructions to connect the sensor to your 2.4GHz WiFi network. Ensure your mobile device is also connected to the same 2.4GHz WiFi network during pairing.
5. Once successfully paired, the sensor will appear in your device list within the app.

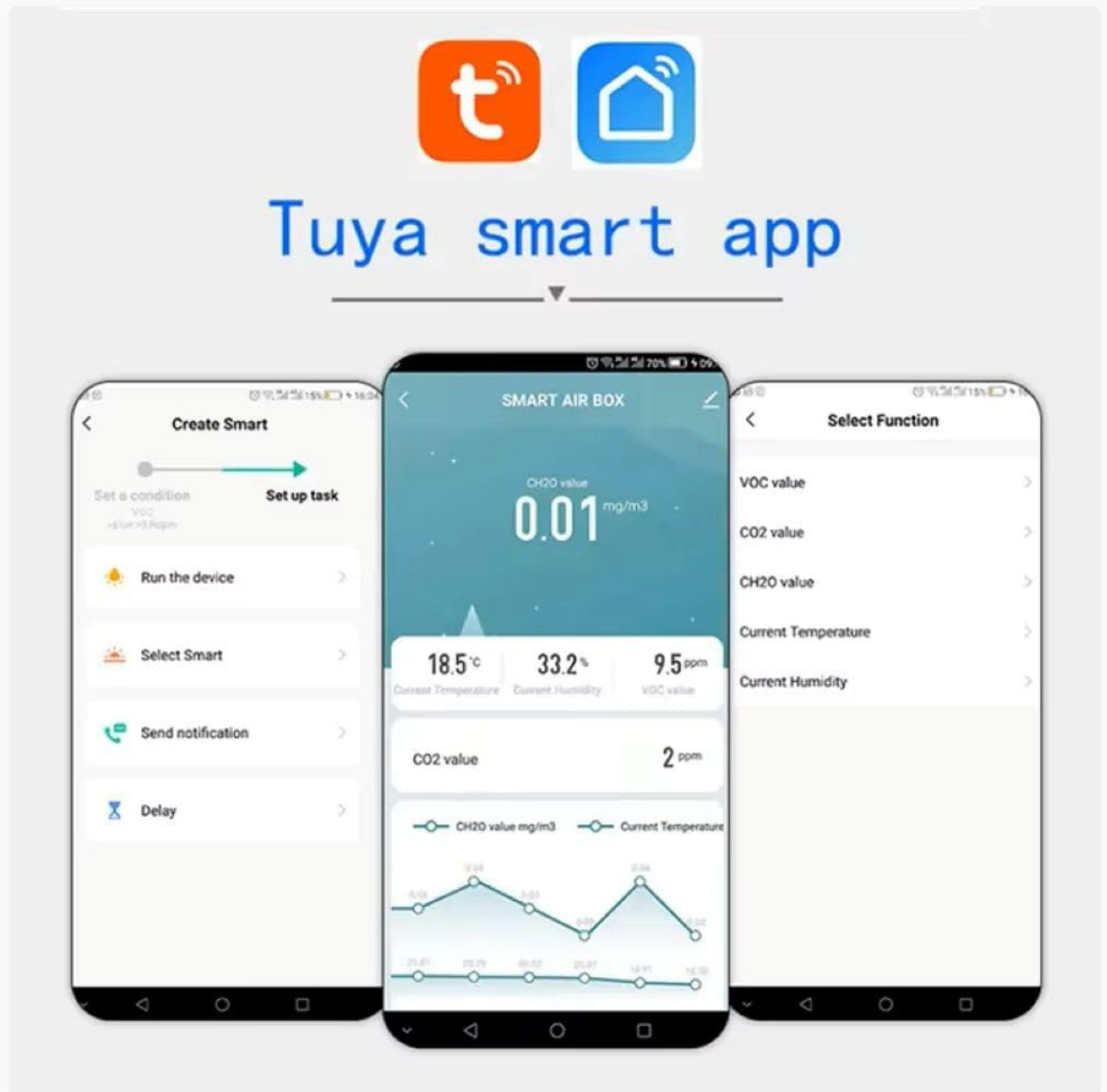


Image 2.1: Screenshots of the Tuya Smart App interface. The images display options for creating smart scenes, viewing real-time air quality data (temperature, humidity, CO2, VOC, HCHO), and selecting functions within the app.

2.4 Device Placement

Place the sensor in a central location within the area you wish to monitor. Avoid placing it near windows, vents, or direct heat sources, as this can affect reading accuracy. The compact design allows for discreet placement on a table or shelf.



In the home



The office



The hotel

Scenario USES more,
remote monitoring of air environmental quality,
enjoy healthy and comfortable life

images show the sensor's suitability for various environments: a modern living room, a contemporary office space, and a hotel bathroom.

3. OPERATING INSTRUCTIONS

3.1 Real-Time Monitoring

Once connected, the sensor continuously monitors the air quality. You can view real-time data for the following parameters directly from the Tuya Smart App:

- **CO2:** Carbon Dioxide levels
- **VOC:** Volatile Organic Compounds
- **HCHO:** Formaldehyde levels
- **Temperature:** Ambient temperature
- **Humidity:** Relative humidity



Image 3.1: A close-up view of the YIELDON Tuya WiFi Air Quality Sensor, a white circular device with a perforated top. Above it are five circular icons representing the parameters it monitors: CO2, VOC, HCHO (Formaldehyde), TEMP (Temperature), and RH (Relative Humidity).

3.2 Alerts and Notifications

Configure custom alerts within the Tuya Smart App to receive notifications on your mobile device when specific air quality parameters exceed or fall below predefined thresholds. This feature helps you stay informed about changes in your environment.

3.3 Smart Automation and Scene Linkage

The sensor can be integrated into smart home scenes via the Tuya Smart App. This allows for automatic control of other smart devices based on air quality readings. For example:

- If humidity is too low, automatically activate a smart humidifier.
- If temperature is too high, automatically turn on a smart air conditioner.
- If VOC or HCHO levels are high, automatically activate a smart air purifier.



The dry air,
automatically open the humidifier

Image 3.2: The YIELDON Tuya WiFi Air Quality Sensor positioned on a wooden surface next to a white and green humidifier. This illustrates the sensor's ability to trigger other smart devices, such as a humidifier, when dry air is detected.



When the temperature is too high,
automatically open air conditioning

Image 3.3: The YIELDON Tuya WiFi Air Quality Sensor mounted on a wall in a modern living room, with a white air conditioning unit visible above a dark sofa. This demonstrates the sensor's capability to automatically activate an air conditioner when high temperatures are detected.

4. MAINTENANCE

4.1 Cleaning

To ensure accurate readings and prolong the life of your sensor, periodically clean its exterior. Use a soft, dry cloth to wipe away dust. Do not use liquid cleaners or abrasive materials, as these can damage the device.

4.2 Software Updates

The Tuya Smart App may occasionally prompt you to update the sensor’s firmware. It is recommended to perform these updates to ensure optimal performance, security, and access to new features.

5. TROUBLESHOOTING

5.1 Device Not Powering On

- Ensure the USB cable is securely connected to both the sensor and the power source.
- Verify that the USB power adapter or port is functional. Try a different power source if necessary.

5.2 Unable to Connect to WiFi

- Confirm your WiFi network is 2.4GHz. The sensor does not support 5GHz networks.
- Ensure your mobile device is connected to the same 2.4GHz WiFi network during the pairing process.
- Check your WiFi password for accuracy.
- Move the sensor closer to your WiFi router to improve signal strength.
- Restart your WiFi router and the sensor, then attempt pairing again.

5.3 Inaccurate Readings

- Ensure the sensor is not placed near direct heat sources, open windows, or strong air currents.
- Clean the sensor's exterior as described in the Maintenance section.
- Allow the sensor to operate for at least 24 hours after initial setup for optimal calibration.

6. SPECIFICATIONS

Feature	Specification
Model Number	E115-WF
Connectivity	WiFi (2.4GHz)
Monitored Parameters	CO2, VOC, HCHO, Temperature, Humidity
Manufacturer	YIELDON
Device Dimensions (Approx.)	90mm (Diameter) x 35mm (Height)
Item Weight	11 pounds (Note: This weight may refer to shipping weight or packaging, not the device itself.)
Package Dimensions	11.81 x 5.91 x 0.04 inches
Batteries Required	No (USB Powered)
Date First Available	July 18, 2025

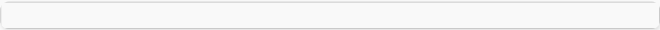


Image 6.1: Technical drawing showing the dimensions of the YIELDON Tuya WiFi Air Quality Sensor. The sensor has a diameter of 90mm and a height of 35mm.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

7.2 Customer Support

If you encounter issues not covered in the troubleshooting section or require further assistance, please contact the seller or manufacturer directly through their official support channels. Refer to your purchase receipt or product packaging for contact information.

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