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› Tuya WiFi Temperature Sensor with External Probe - User Manual

GONLEN KL-957T-W-3M

Tuya WiFi Temperature Sensor with External Probe

Model: KL-957T-W-3M

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your GONLEN Tuya WiFi Temperature Sensor. This device is designed for remote temperature monitoring in various environments, offering real-time data and alarm notifications via the Tuya Smart or Smart Life application.



Image 1.1: The GONLEN Tuya WiFi Temperature Sensor with its external 9.8ft probe cable. The main unit displays the temperature digitally, while the probe is designed for immersion or placement in areas requiring temperature detection.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Extended Probe Cable:** Features a 3-meter (9.8ft) external probe cable for flexible temperature detection in various locations.
- **Waterproof Probe:** The temperature probe itself is waterproof, suitable for use in water or outdoor environments. **Note: The main panel is NOT waterproof and must be placed indoors.**
- **Smart App Integration:** Compatible with Tuya Smart or Smart Life App for remote monitoring and control.
- **2.4G Wi-Fi Support:** Connects via 2.4G Wi-Fi (802.11 b/g/n). 5G Wi-Fi is not supported.
- **Real-Time Monitoring:** View current temperature readings from anywhere via the app using 4G or Wi-Fi network.
- **Switchable Units:** Easily switch between Fahrenheit (°F) and Celsius (°C) temperature units.

- **Temperature Limit Alarms:** Set upper and lower temperature thresholds to receive instant app push notifications and audible buzzer alerts when limits are exceeded.
- **Multi-User Sharing:** Share device access with other users for collaborative monitoring.
- **Backup Battery:** Equipped with a built-in rechargeable battery for continued operation during external power outages.

2.2 What's in the Box

- One Temperature Panel with 9.84ft (3m) Temperature Sensor Cable
- One DC5V Power Adapter

3. SETUP

3.1 Powering On

Connect the provided DC5V power adapter to the temperature panel and plug it into a standard power outlet. The device will power on automatically.

3.2 App Installation and Pairing

1. Download the **Tuya Smart** or **Smart Life** app from your mobile device's app store (Google Play Store for Android, Apple App Store for iOS).
2. Register or log in to your account within the app.
3. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network. (5GHz networks are not supported).
4. In the app, tap the "+" icon to add a new device.
5. Follow the on-screen instructions to put the temperature sensor into pairing mode. This usually involves pressing and holding the pairing key on the device until an indicator light flashes.
6. Select the device type (e.g., "Temperature Sensor" or "Sensor") and proceed with the network configuration as guided by the app.



Image 3.1: The temperature sensor integrated with the Smart Life/Tuya Smart app, demonstrating its use in diverse environments such as monitoring temperatures for chicks, fish tanks, wine cellars, and freezers.

3.3 Probe Placement

The external probe is designed to be placed in the environment where temperature monitoring is required. This includes freezers, water tanks, pools, greenhouses, or other areas. Remember that while the probe is waterproof, the main temperature panel is not and should be positioned indoors or in a dry, protected location.

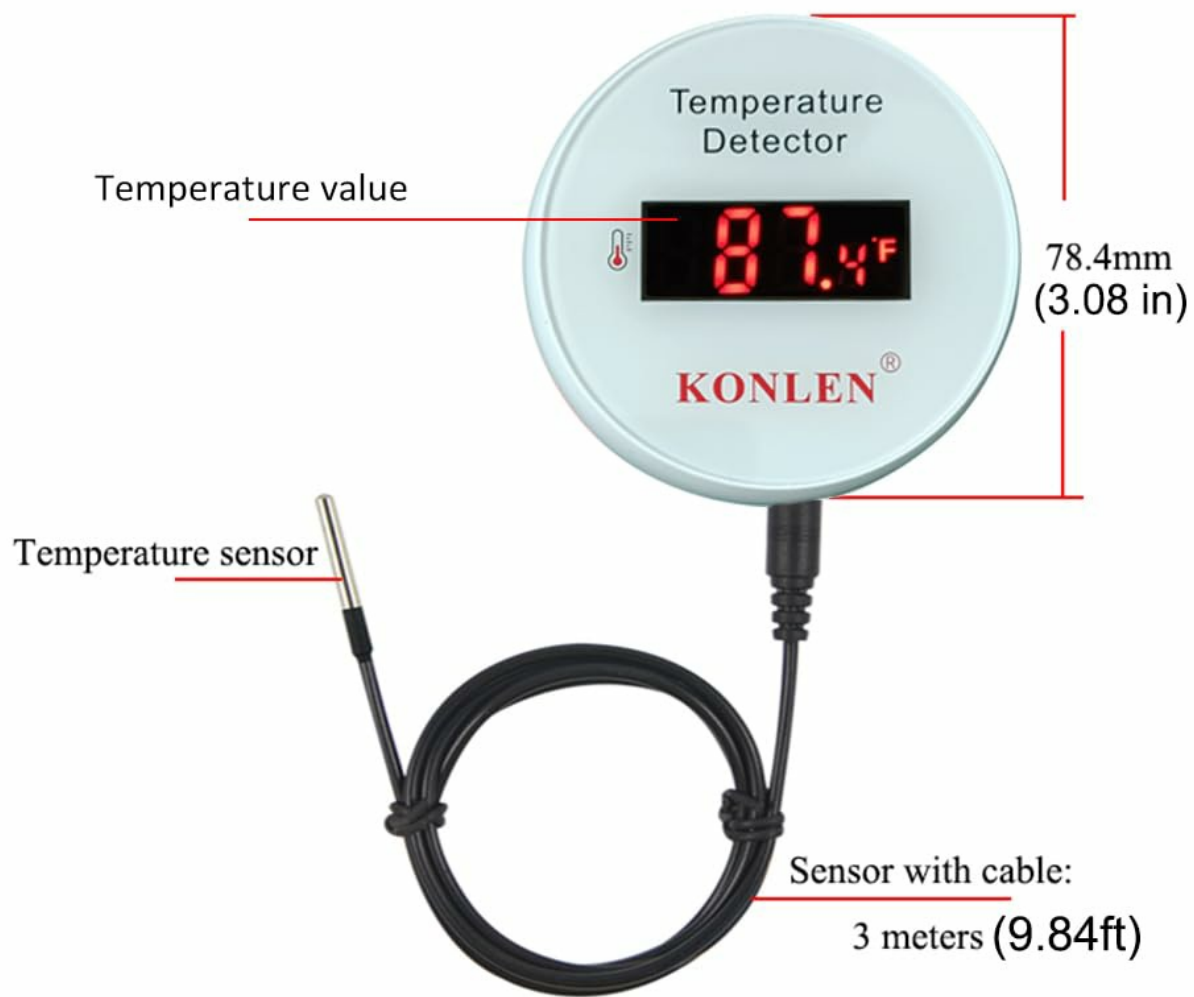


Image 3.2: A detailed diagram illustrating the dimensions of the main temperature detector unit and the length of the external probe cable (3 meters / 9.84 feet). It also highlights the alarm buzzer hole, on/off switch, pairing key, and magnetic/sticker mounting options.

4. OPERATION

4.1 Real-Time Supervision

Once connected to your Wi-Fi network, you can view the real-time temperature from the sensor anytime, anywhere, using the Tuya Smart or Smart Life app. The app provides a clear display of the current temperature.

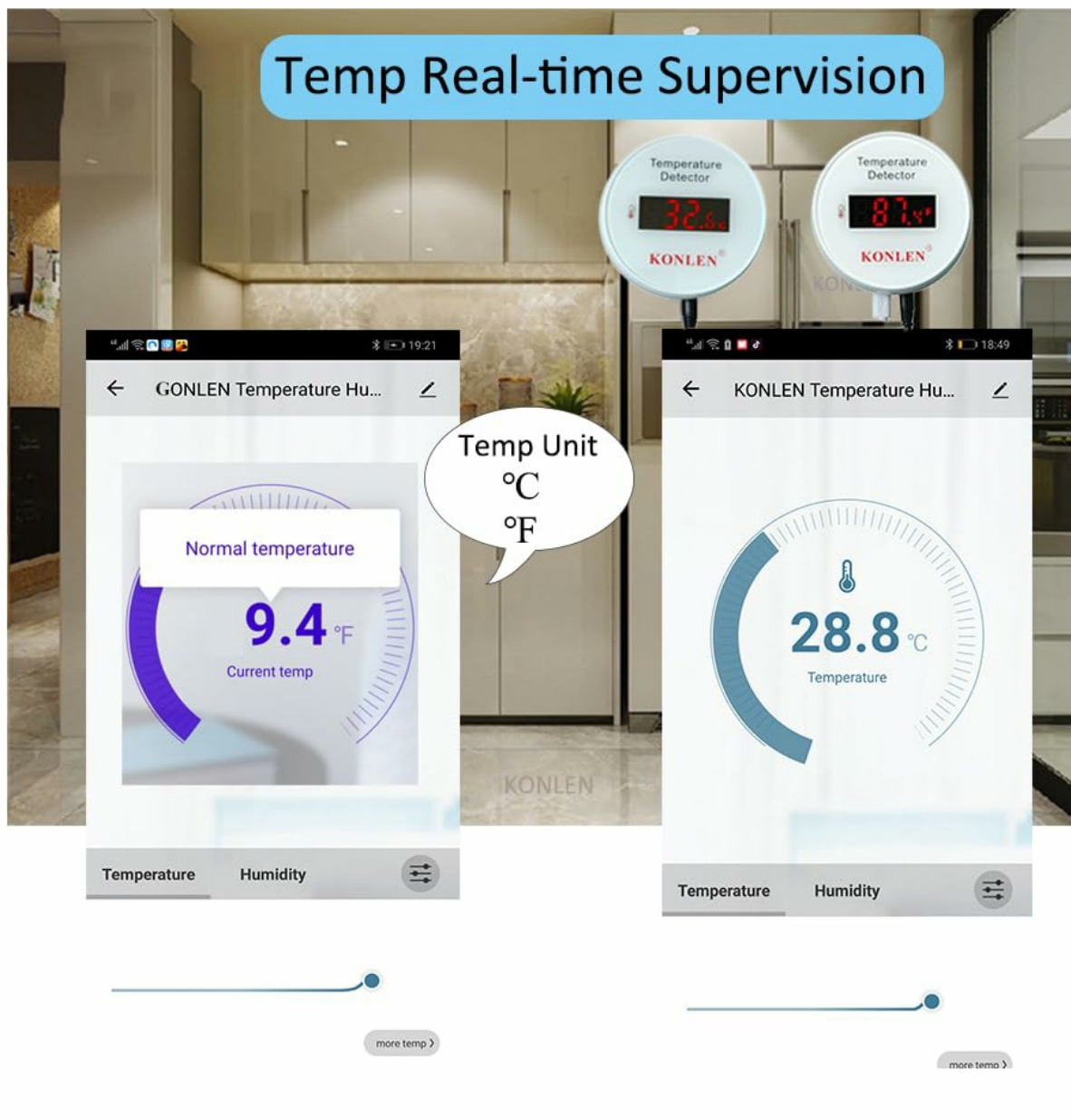


Image 4.1: Screenshots of the mobile application demonstrating real-time temperature monitoring. The interface allows users to view the current temperature and switch between Celsius (°C) and Fahrenheit (°F) units.

4.2 Temperature Unit Switching

Within the app, you can easily switch the temperature display unit between Fahrenheit (°F) and Celsius (°C) to suit your preference.

4.3 Setting Temperature Alarms

The device supports setting upper and lower temperature limits. If the detected temperature falls outside this predefined range, the app will push an alarm alert to your mobile device, and the sensor's built-in buzzer will sound.

- Open the device in the Tuya Smart or Smart Life app.
- Navigate to the settings or alarm section.
- Set your desired upper and lower temperature thresholds.
- Save the settings.

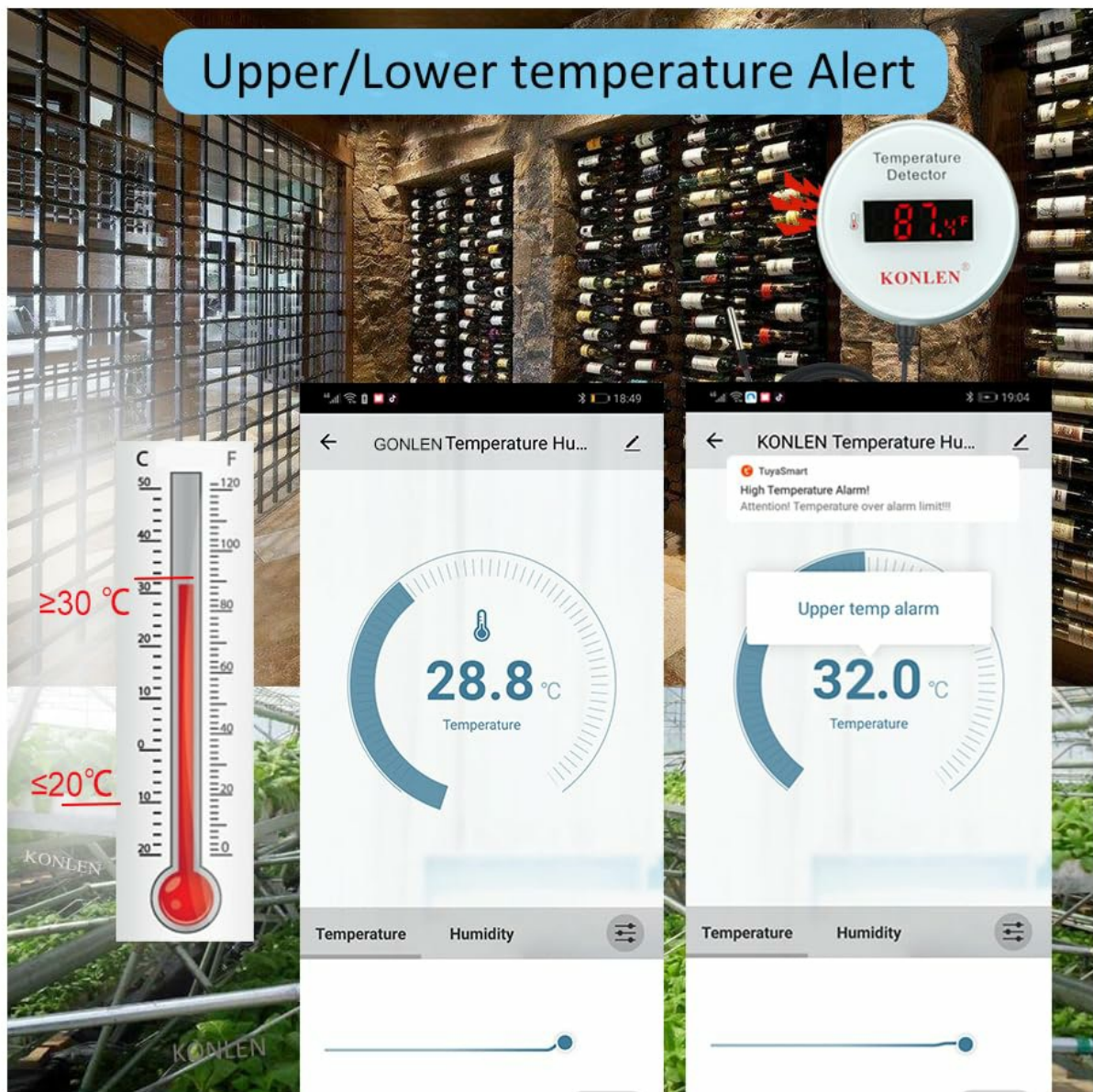


Image 4.2: The mobile application displaying the functionality for setting upper and lower temperature alerts. When the temperature exceeds or falls below the set limits, an alarm notification is triggered.

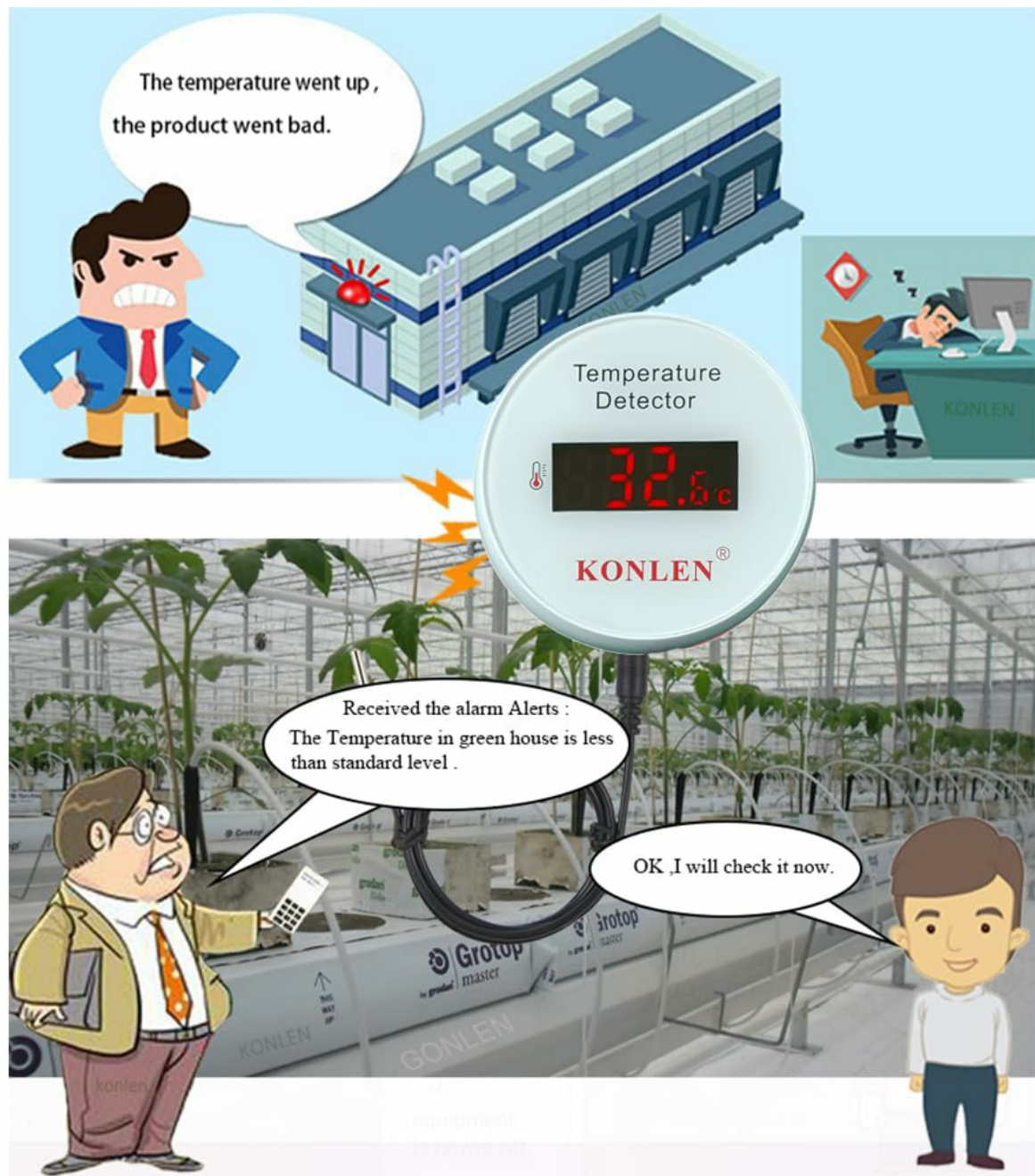


Image 4.3: An illustrative scenario depicting the temperature sensor in a greenhouse. If the temperature deviates from the set standard, an alarm alert is received on the mobile device, prompting immediate action.

4.4 Multi-User Supervision

You can share access to your temperature sensor with other users through the app, allowing multiple individuals to monitor the temperature data simultaneously.



Image 4.4: A visual representation of the multi-user supervision feature, where the device owner can share access to the temperature sensor's data with multiple other users.

4.5 History Record and Data Export

The app stores historical temperature data, which you can review at any time. This data can also be exported from the app for further analysis.

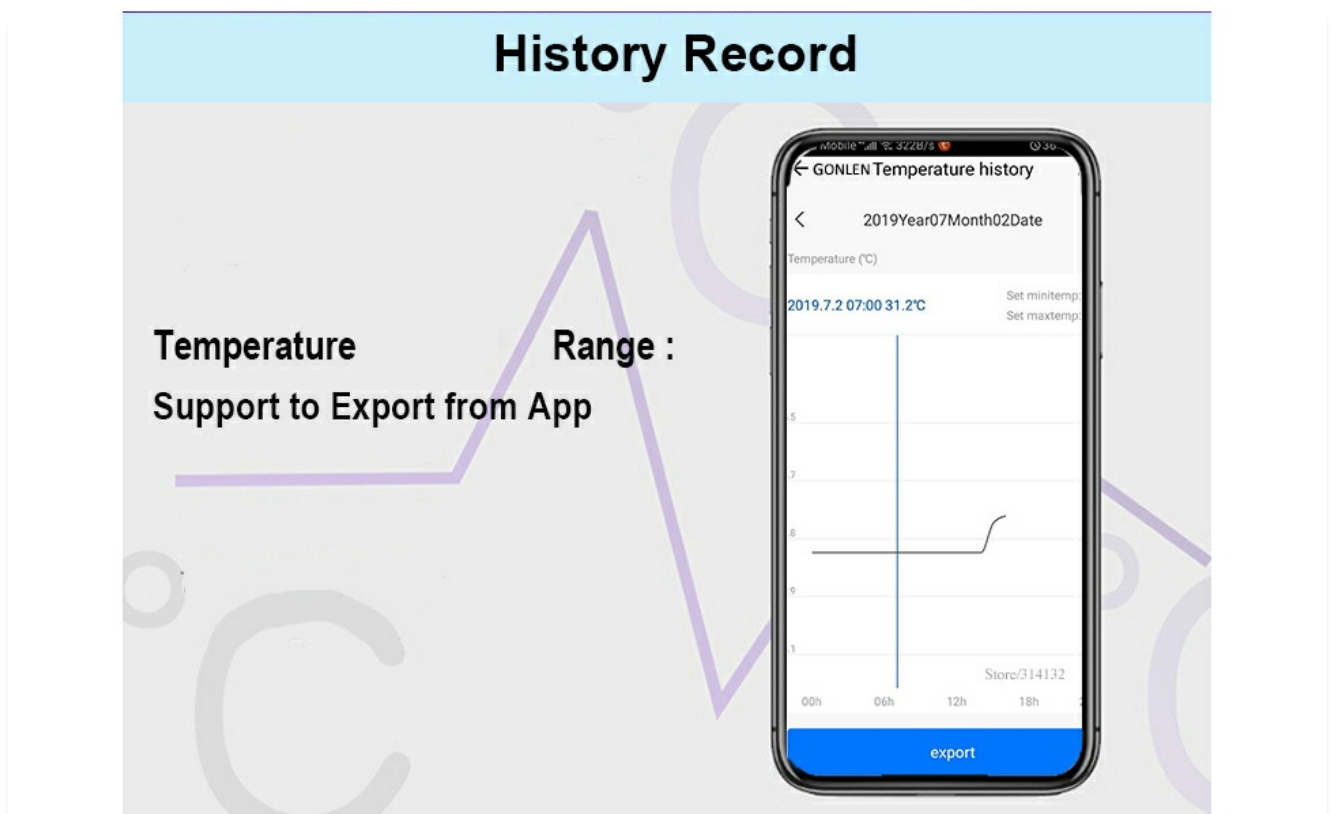


Image 4.5: A screenshot of the mobile application's history record feature, showing temperature data over time and the option to export this data.

5. MAINTENANCE

5.1 Cleaning

To clean the main temperature panel, gently wipe it with a dry or slightly damp cloth. Do not use abrasive cleaners or immerse the main unit in water. The probe can be cleaned with water as it is waterproof.

5.2 Battery Backup

The device includes a built-in rechargeable battery that provides backup power in case of an external power outage. This allows the sensor to continue functioning for several hours. Ensure the device is regularly powered by the DC5V adapter to keep the backup battery charged.

Battery standby when power failure

1. Powered by DC5V power adapter with USB cable
2. Backup rechargeable battery continue to work.



Image 5.1: An illustration demonstrating the power supply options: the primary DC5V power adapter with USB cable and the internal rechargeable backup battery, which ensures continued operation during power failures.

6. TROUBLESHOOTING

6.1 Common Issues

- **Device Offline in App:**

- Ensure the device is powered on and connected to the DC5V adapter.
- Check your Wi-Fi router and internet connection.
- Verify that the device is within range of your 2.4GHz Wi-Fi network.
- If issues persist, try re-pairing the device with the app.

- **No Alarm Notifications:**

- Confirm that alarm thresholds are correctly set in the app.
- Check your phone's notification settings to ensure the Tuya Smart/Smart Life app has permission to send notifications.
- Ensure the device is online and communicating with the app.

- **Inaccurate Temperature Readings:**

- Ensure the probe is fully immersed or correctly positioned in the area to be measured.
- Avoid placing the probe near heat sources or in direct sunlight if measuring ambient temperature.

- **Device Not Connecting to 5G Wi-Fi:**

- This device only supports 2.4GHz Wi-Fi networks. Ensure your router is broadcasting a 2.4GHz signal and your phone is connected to it during setup.

7. SPECIFICATIONS

Attribute	Specification
Model Number	KL-957T-W-3M
Brand	GONLEN
Connectivity Technology	Wi-Fi (2.4G only)
Display Type	Digital
Probe Cable Length	3 meters (9.8ft)
Power Source	DC5V Power Adapter (included)
Backup Battery	Lithium Polymer (included)
Main Unit Material	Plastic
Package Dimensions	5 x 4.33 x 2.8 inches
Item Weight	8.78 ounces
Manufacturer	Shenzhen KONLEN Technology Limited

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your product

packaging or visit the official GONLEN website. Keep your purchase receipt for warranty claims.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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