

Tapo Tapo T310

Tapo Smart Temperature and Humidity Sensor

MODEL: TAPO T310

Brand: Tapo

1. Product Overview

The Tapo T310 is a smart temperature and humidity sensor designed to provide accurate, real-time environmental data for your home. It requires a Tapo Hub H100 (sold separately) and a 2.4GHz Wi-Fi connection to function. The sensor utilizes a Swiss-made component for high precision and updates data every 2 seconds. It supports real-time notifications, free data storage, and home automation features when integrated with other Tapo smart devices.



Image: Front view of the Tapo T310 Smart Temperature and Humidity Sensor. The device is a small, square-shaped white unit with the 'tapo' logo and a small LED indicator on its surface.

2. What's in the Box

Verify that all components are present in the package:

- Tapo T310 Smart Temperature and Humidity Sensor
- CR2450 Battery (pre-installed or included separately)
- Lanyard
- 3M Adhesive
- Adhesive Magnet
- Eject Pin



Instant App Alerts

Receive app notification when conditions fall out your customized ranges.

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Image: A composite image displaying the Tapo T310 sensor and its key features, including high-accuracy sensor, compatibility with Tapo devices, up to 2 years battery life, 2-second refresh rate, instant app notifications, and 2-year free data storage and export.

3. Setup Instructions

To set up your Tapo T310 sensor, follow these steps:

1. **Prerequisites:** Ensure you have a Tapo Hub H100 (sold separately) and a stable 2.4GHz Wi-Fi network connection. The Tapo T310 communicates with the hub using the Sub-1G Low-Power Wireless protocol.
2. **Download the Tapo App:** Download and install the Tapo app from the App Store (iOS) or Google Play Store (Android) on your smartphone.
3. **Log In or Create Account:** Open the Tapo app and log in with your existing TP-Link ID, or create a new account if you don't have one.
4. **Add the Tapo Hub:** If you haven't already, add your Tapo Hub H100 to the app by following the in-app instructions. The sensor requires the hub for connectivity.
5. **Add the Sensor:** In the Tapo app, tap the '+' icon to add a new device. Select 'Sensors' and then 'Temperature & Humidity Sensor (T310)'. Follow the on-screen prompts to pair the sensor with your Tapo Hub.

6. **Battery Installation/Activation:** The CR2450 battery is typically pre-installed. If not, or if you need to replace it, use the eject pin to open the back panel. Insert the CR2450 battery with the positive (+) side facing up.
7. **Placement:** Choose a suitable location for your sensor. It can be placed on a flat surface, mounted using the 3M adhesive or adhesive magnet, or hung using the lanyard. Ensure the ventilation holes are not obstructed for accurate readings.



Image: Diagram of the Tapo T310 sensor showing its components: Ventilation Hole/Sensor Opening, Hanging Hole, LED Indicator, Back Panel Opening Pinhole, and the CR2450 battery.

4. Operating Instructions

Once the Tapo T310 sensor is set up and connected to your Tapo Hub, you can monitor and manage your environment through the Tapo app.

4.1 Real-Time Monitoring

- Open the Tapo app and navigate to your T310 sensor.
- The app will display the current temperature and humidity readings, updated every 2 seconds.
- Historical data and visual graphs are available for review, allowing you to track trends over time.



Works with Tapo devices

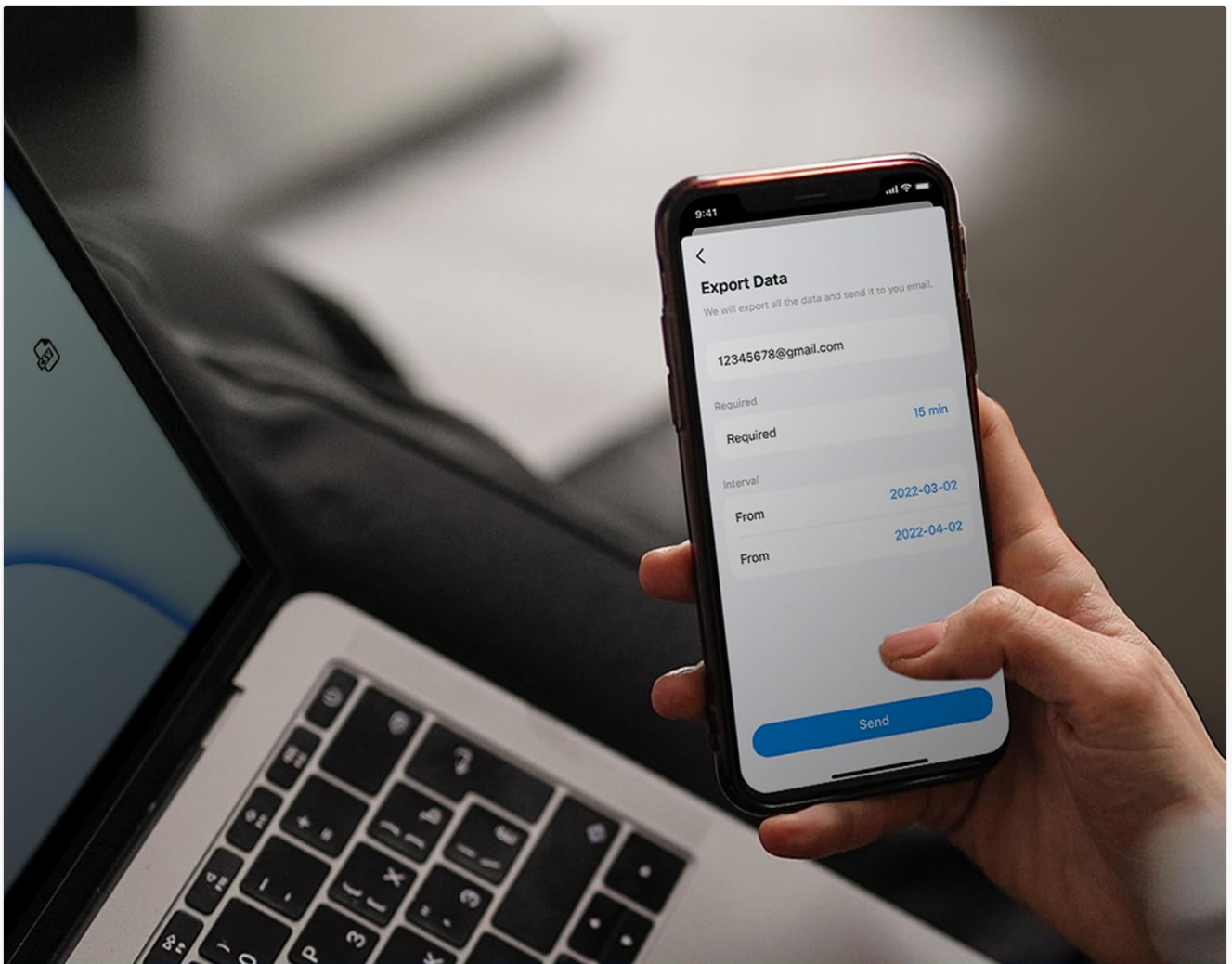
Automate your appliances to maximize comfort and save energy.

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Image: A person viewing temperature and humidity graphs on the Tapo app on their smartphone, demonstrating real-time monitoring capabilities.

4.2 Notifications and Alerts

- You can set custom temperature and humidity ranges within the Tapo app.
- If readings fall outside your specified ranges, the app will send real-time notifications to your smartphone.



Free Data Storage & Export

Up to 2 years of cloud data storage, and export your data for free.

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Image: A Tapo T310 sensor placed inside a wooden cigar humidor, with a smartphone notification bubble indicating "Too Warm!" for a 'Wine Cellar' setting.

4.3 Home Automation

- Integrate the T310 sensor with other Tapo smart devices (e.g., smart plugs, heaters, humidifiers).
- Create smart actions in the Tapo app to automatically turn devices on or off based on temperature or humidity thresholds detected by the T310.



Versatile Usages, Flexible Placement

Designed small and stylish to fit in most places.

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Image: A visual representation of home automation where a Tapo T310 sensor triggers a smart plug connected to a heater. If the temperature is below 16°C, the heater turns on; if above 21°C, it turns off.

4.4 Data Storage and Export

- The Tapo app provides free cloud data storage for up to 2 years of temperature and humidity data.
- You can export this data for your records or analysis directly from the app.

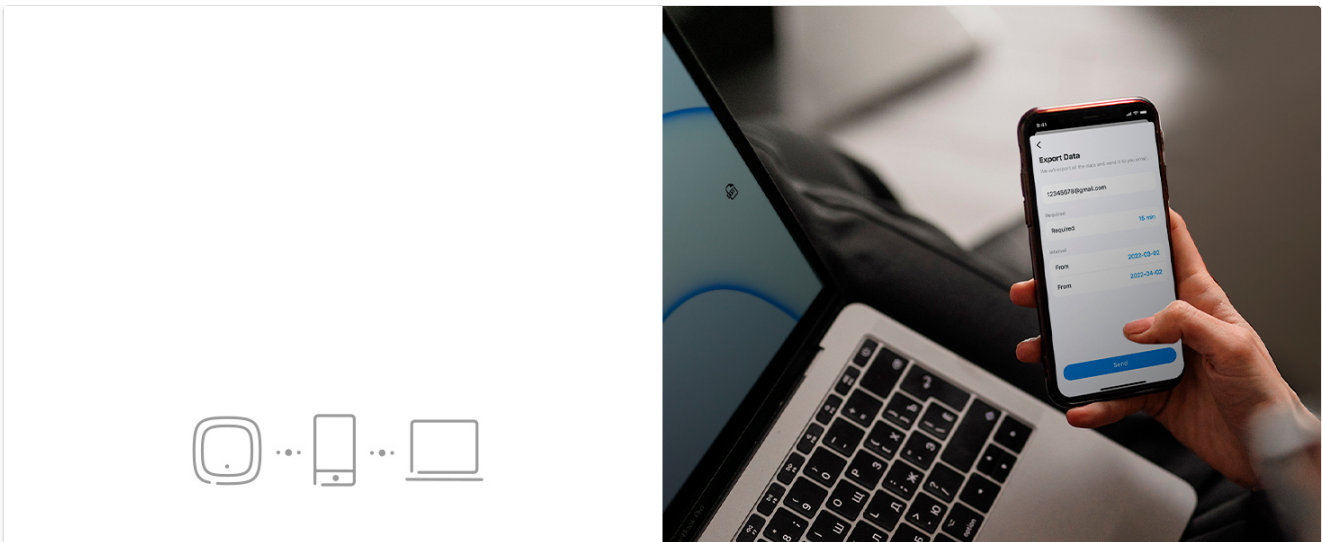


Image: A person using a smartphone to export data from the Tapo app, with a laptop visible in the background, illustrating the data export functionality.

5. Maintenance

5.1 Battery Replacement

The Tapo T310 uses one CR2450 lithium metal battery, which provides over a year of performance under normal use. To replace the battery:

1. Locate the small pinhole on the back panel of the sensor.
2. Use the provided eject pin (or a similar thin tool) to gently press into the pinhole until the back panel opens.
3. Remove the old CR2450 battery.
4. Insert a new CR2450 battery with the positive (+) side facing up.
5. Align the back panel and press it firmly until it clicks into place.



Image: The Tapo T310 sensor next to an exposed CR2450 coin battery, illustrating the battery type and its placement within the device.

5.2 Cleaning

To maintain optimal performance, periodically clean the sensor with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials, as these can damage the sensor components.

6. Troubleshooting

• Sensor Not Connecting to Hub:

- Ensure your Tapo Hub H100 is powered on and connected to your 2.4GHz Wi-Fi network.
- Verify the sensor's battery is correctly installed and has sufficient charge.
- Move the sensor closer to the Tapo Hub to improve signal strength.
- Try re-pairing the sensor with the hub through the Tapo app.

• Inaccurate Readings:

- Ensure the sensor's ventilation holes are not blocked.

- Avoid placing the sensor near heat sources (e.g., direct sunlight, heaters) or cold drafts (e.g., open windows, air conditioners).
 - Allow the sensor some time to stabilize after placement or battery replacement.
- **Notifications Not Received:**
 - Check your smartphone's notification settings for the Tapo app to ensure they are enabled.
 - Verify that the custom ranges for temperature and humidity alerts are correctly configured in the Tapo app.
 - Ensure your Tapo Hub has a stable internet connection.

7. Specifications

Feature	Specification
Model Number	Tapo T310
Product Dimensions	1.88 x 1.88 x 0.5 inches (47.75 x 47.75 x 12.7 mm)
Item Weight	1.41 ounces (0.04 Kilograms)
Material	Plastic
Battery Type	1 x CR2450 Lithium Metal (included)
Battery Life	More than 1 year (typical use)
Temperature Accuracy	±0.54°F (±0.3°C)
Humidity Accuracy	±3% RH
Data Refresh Rate	Every 2 seconds
Connectivity	Sub-1G Low-Power Wireless (requires Tapo Hub H100)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	0% to 99% RH

8. Warranty and Support

For warranty information and technical support, please refer to the official TP-Link website or contact their customer service. You can find support resources and contact details at:

- **Support Website:** tp-link.com/us/support/
- **Product Support Page:** myproducts.tp-link.com/us
- **Email Support:** support.USA@tp-link.com
- **Phone Support:** (866) 225-8139

