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› X-Sense Wi-Fi Hygrometer Indoor Humidity, Smart Thermometer with Remote Monitoring & App Control, an Accessory for STH54 Thermo-Hygrometer Kit, Model STH51 1-Pack (Base Station not included) Hanging Thermo-Hygrometer

X-Sense STH51

X-Sense Wi-Fi Hygrometer User Manual

Model: STH51

INTRODUCTION

The X-Sense STH51 Wi-Fi Hygrometer is designed to provide accurate, real-time monitoring of indoor temperature and humidity. This device functions as an accessory to the X-Sense STH54 Thermo-Hygrometer Kit and requires a base station (such as the SBS50, not included with this 1-pack model) for Wi-Fi connectivity and remote monitoring via the X-Sense Home Security App. It is suitable for various environments including homes, greenhouses, humidors, and reptile vivariums, offering timely notifications and data logging capabilities.

PRODUCT OVERVIEW

Key Features

- **Remote and Multi-Space Monitoring:** Access real-time temperature and humidity data from anywhere via the X-Sense app, requiring a 2.4 GHz Wi-Fi network and a compatible base station.
- **High Accuracy:** Equipped with a Swiss-made sensor, providing temperature accuracy of $\pm 0.36^{\circ}\text{F}$ ($\pm 0.2^{\circ}\text{C}$) within a -4 – 140°F (-20 – 60°C) range, and humidity accuracy of $\pm 2\%$ RH within a 0–100% RH range.
- **Timely App Notifications:** Receive immediate push alerts on your mobile device if temperature or humidity levels exceed preset ranges.
- **Data Storage and Export:** Monitor data 24/7 and export up to a year's historical data in CSV format for free.
- **Compact Design:** Dimensions of 1.4 × 0.9 × 3.7 inches, allowing flexible placement or hanging with its lanyard.
- **Strong Signal Transmission:** Open-air transmission range up to 1,700 ft (500 m) for stable signal and timely data updates across large areas.
- **Works with Alexa:** Control and inquire about readings using Alexa voice commands.

Components

The X-Sense STH51 package includes the hygrometer unit and AAA batteries. A compatible base station (e.g., SBS50) is required for full functionality and is sold separately.

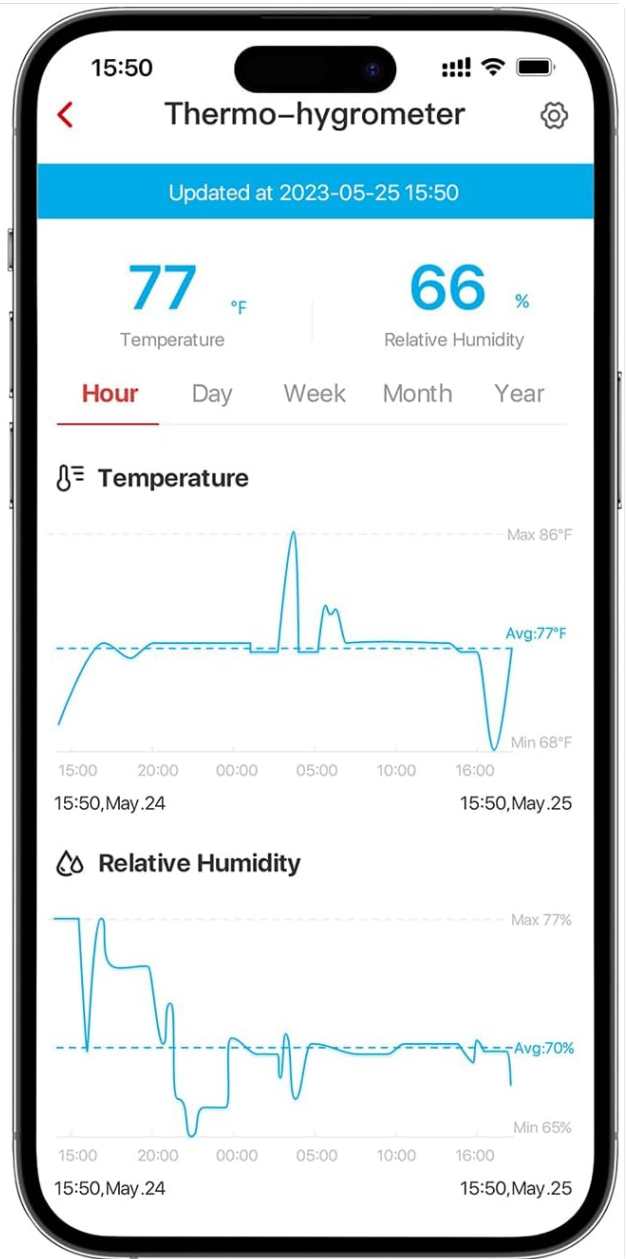


Image Description: This image displays the X-Sense STH51 hygrometer unit on the left, a sleek white device with a lanyard. On the right, a smartphone screen shows the X-Sense app interface, displaying real-time temperature (77°F) and relative humidity (66%) readings, along with historical data graphs for both parameters over an hourly period.

Powered by 2 Replaceable **AAA** Batteries



Replaceable Battery



5-Year Lifespan



Image Description: This image illustrates the compact size of the X-Sense STH51 hygrometer, showing its dimensions (1.4 inches wide, 2.9 inches tall, 3.5 cm and 1.1 cm respectively). Text overlays indicate that the device is powered by 2 replaceable AAA batteries, offering a 1-year replaceable battery life and a 5-year lifespan for the device itself.

SETUP

1. **Base Station Requirement:** Ensure you have a compatible X-Sense base station (e.g., SBS50) already set up and connected to your 2.4 GHz Wi-Fi network. The STH51 hygrometer does not connect directly to Wi-Fi or the app without a base station.
2. **Battery Installation:** Open the battery compartment of the STH51 hygrometer and insert the included AAA batteries, ensuring correct polarity.
3. **App Download:** Download the "X-Sense Home Security" app from your smartphone's app store (available for iOS and Android).
4. **Pairing with Base Station:** Follow the in-app instructions to add the STH51 hygrometer to your X-Sense system. This typically involves putting the base station into pairing mode and activating the hygrometer.
5. **Placement:** Place the hygrometer in your desired monitoring location. It can be placed on a tabletop, mounted on a wall, or hung using its lanyard. Ensure it is within the wireless range of your base station for optimal signal transmission.

OPERATING INSTRUCTIONS

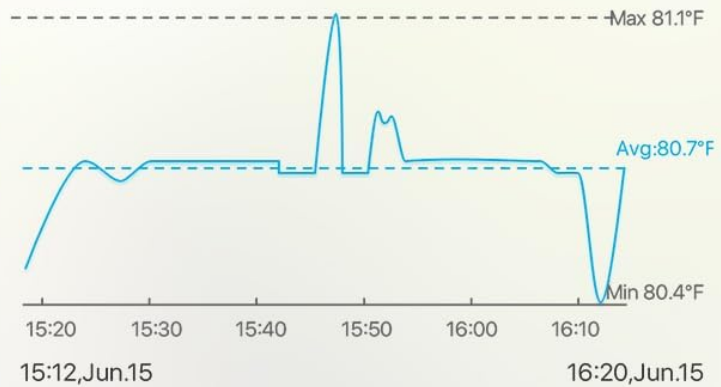
Viewing Data

- **Real-time Monitoring:** Open the X-Sense Home Security app. On the main dashboard, you will see the current temperature and humidity readings from your STH51 hygrometer.
- **Historical Data:** Tap on the STH51 device within the app to view detailed historical graphs for temperature and humidity. You can switch between hourly, daily, weekly, and yearly views to analyze trends.

24/7 Real-Time Monitoring



Temperature



Relative Humidity

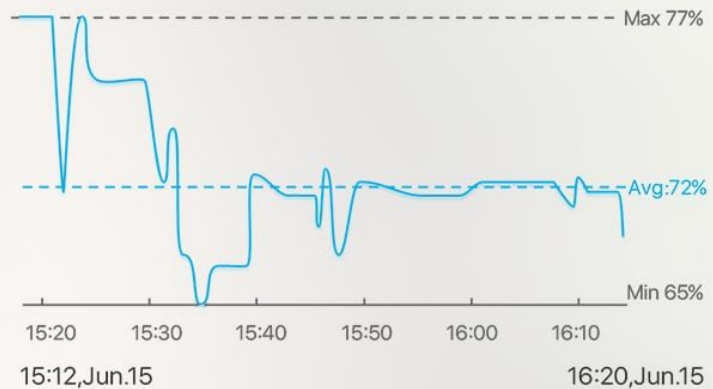


Image Description: This image shows a smartphone displaying the X-Sense app interface, highlighting its 24/7 real-time monitoring capability. The screen presents graphs for both temperature and relative humidity over time, with specific data points and average values indicated. The background suggests a greenhouse environment, illustrating a typical application for the device.

Setting Up Notifications

- Navigate to the device settings for your STH51 hygrometer within the app.

- Set your desired upper and lower thresholds for both temperature and humidity.
- The app will send immediate push notifications to your smartphone if readings fall outside these preset ranges.

Instant Push Notifications

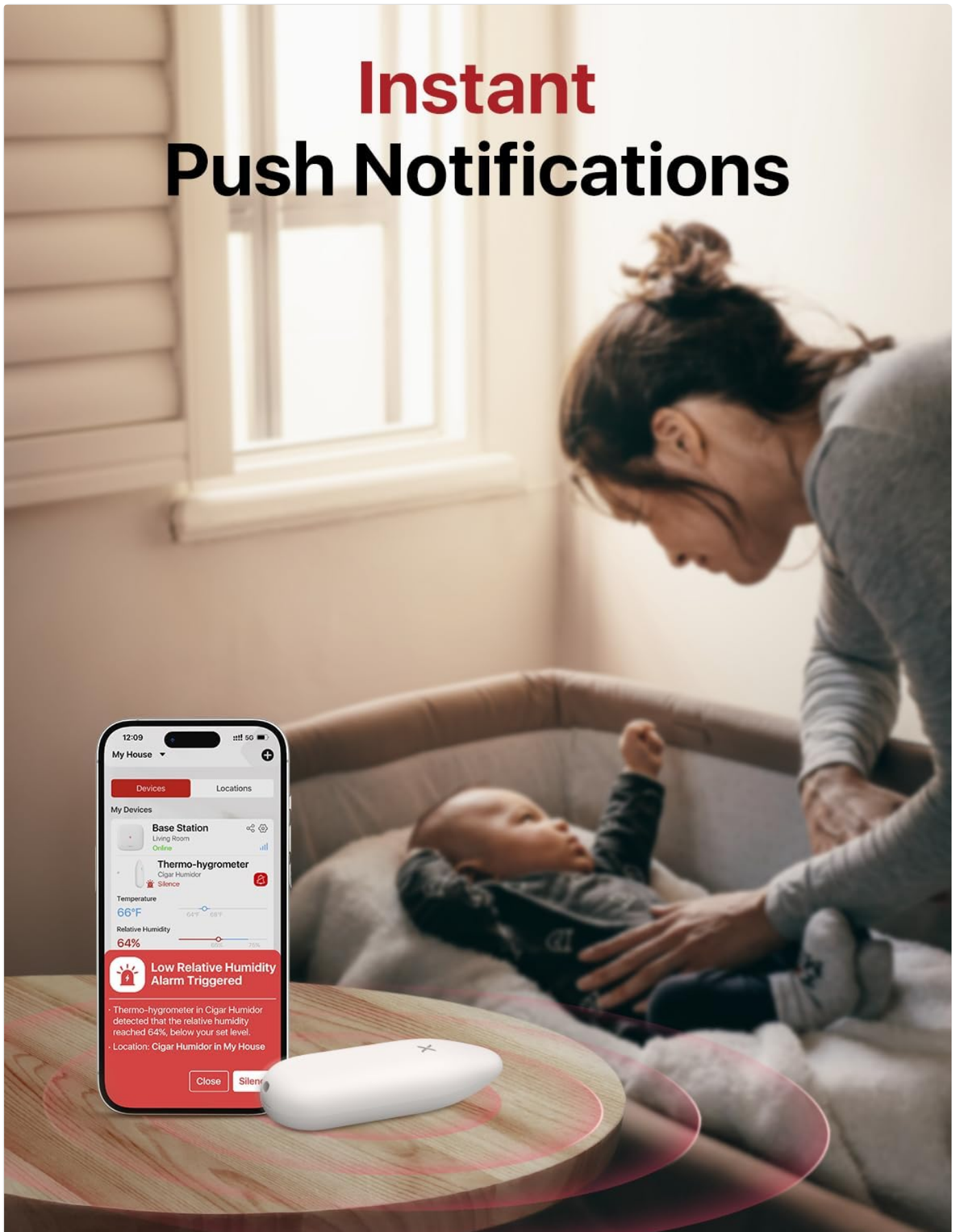


Image Description: This image depicts a smartphone displaying an X-Sense app notification for a "Low Relative Humidity Alarm Triggered." The notification shows the device name, location, and the specific reading (66°F, 64% humidity) that triggered the alert. In the background, a person is attending to a baby in a crib, suggesting the use of the hygrometer in a nursery for environmental monitoring.

Data Export

- Within the app, locate the data export option for your STH51 device.
- You can export historical data (up to one year) in CSV format for further analysis or record-keeping.

Free Data Export

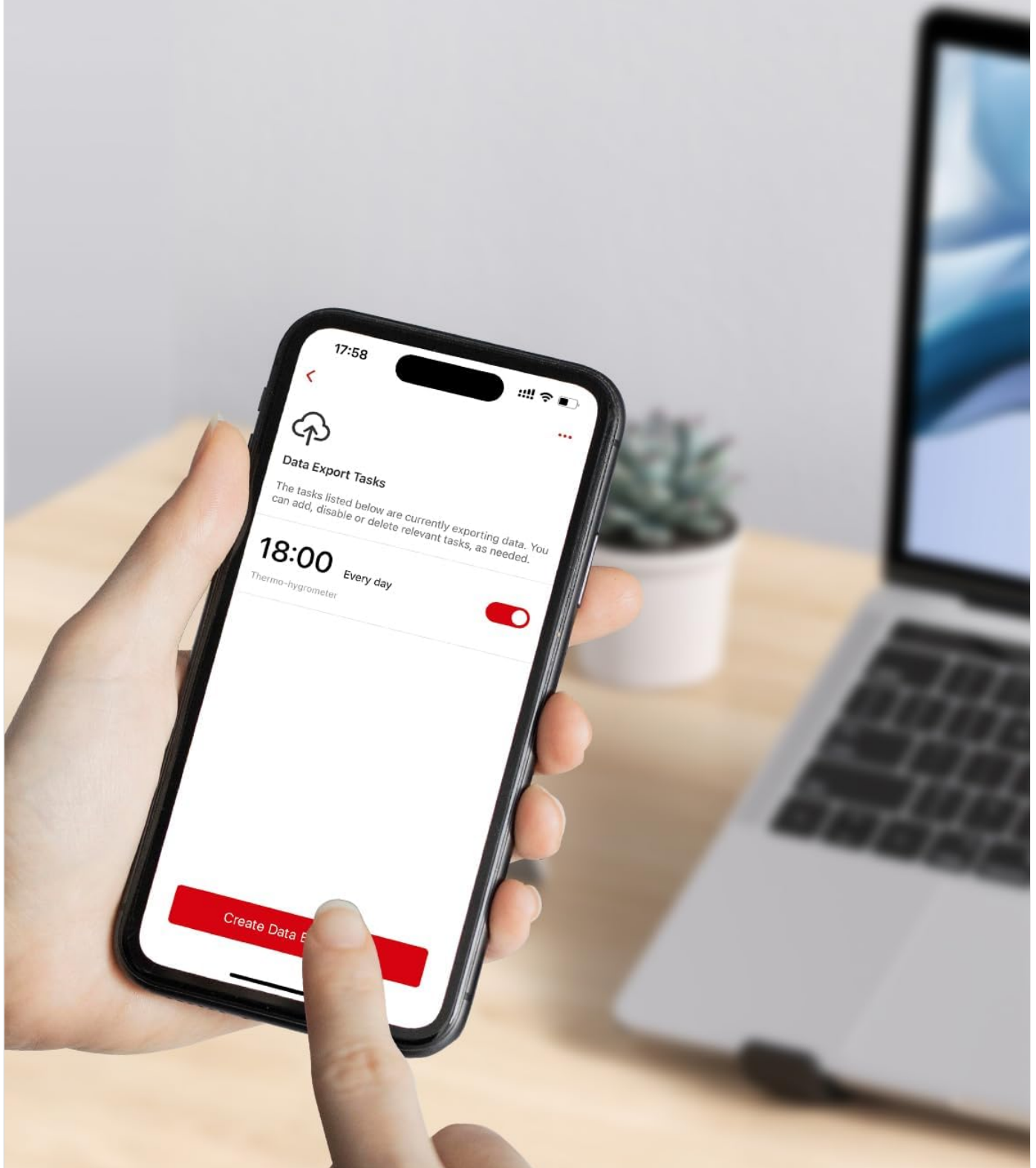


Image Description: This image shows a hand interacting with a smartphone displaying the X-Sense app's data export feature. The screen indicates "Data Export Tasks" and an option to "Create Data Export," suggesting the ability to schedule or manually export historical

temperature and humidity data. A laptop is visible in the background, implying data analysis capabilities.

Alexa Integration

- Enable the X-Sense skill in your Alexa app.
- Once linked, you can ask Alexa for current temperature and humidity readings from your STH51 hygrometer by specifying its name or location (e.g., "Alexa, what's the humidity of the wine cabinet now?").

MAINTENANCE

Battery Replacement

The STH51 hygrometer is powered by 2 AAA batteries. When the battery level is low, you will receive a notification via the X-Sense app. To replace the batteries, open the battery compartment on the device and insert new AAA batteries, ensuring correct polarity. Dispose of old batteries responsibly.

Cleaning

To clean the device, gently wipe its exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the sensor or the device's casing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not connecting to app/base station.	◦ Incorrect Wi-Fi frequency (5.0 GHz). ◦ Hygrometer out of range of base station. ◦ Base station not powered on or connected to Wi-Fi. ◦ Low batteries in hygrometer.	◦ Ensure your Wi-Fi network is 2.4 GHz. ◦ Move the hygrometer closer to the base station. ◦ Check base station power and Wi-Fi connection. ◦ Replace hygrometer batteries. ◦ Re-pair the hygrometer with the base station via the app.
Inaccurate temperature/humidity readings.	◦ Sensor obstructed or dirty. ◦ Device placed in direct sunlight or near heat/cold sources.	◦ Ensure the sensor opening is clear. ◦ Relocate the device to an area with stable ambient conditions, away from direct environmental influences.
No notifications received.	◦ Notification settings not configured in app. ◦ App permissions not granted on phone. ◦ Phone's "Do Not Disturb" mode active.	◦ Verify alarm thresholds are set correctly in the X-Sense app. ◦ Check your phone's app settings to ensure notifications are enabled for the X-Sense app. ◦ Disable "Do Not Disturb" or similar modes on your phone.

SPECIFICATIONS

Attribute	Value
Brand	X-Sense
Model Number	STH51
Product Dimensions	1.4"W x 3.7"H
Item Weight	2.39 ounces
Battery Type	AAA (included)
Mounting Type	Tabletop, Wall Mount
Operating Humidity Range	0-100% RH
Temperature Range	-4–140°F (-20–60°C)
Temperature Accuracy	±0.36°F (±0.2°C)
Humidity Accuracy	±2% RH
Wireless Range (Open-air)	Up to 1,700 ft (500 m)
UPC	850053675157

WARRANTY AND SUPPORT

Specific warranty information for the X-Sense STH51 Wi-Fi Hygrometer is typically provided with the product packaging or can be found on the official X-Sense website. For technical support, troubleshooting assistance, or warranty claims, please refer to the contact information available on the X-Sense official website or the X-Sense Home Security app. No relevant product videos were found in the provided data for embedding in this manual.

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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