

SensorPush HTP.xw

SensorPush HTP.xw Smart Temperature & Humidity Sensor

INSTRUCTION MANUAL

1. Introduction

The SensorPush HTP.xw is a smart temperature and humidity sensor designed for comprehensive environmental monitoring. It provides accurate readings of air temperature, relative humidity, heat index, barometric pressure, dewpoint, and Vapor Pressure Deficit (VPD), all accessible via a mobile application. This device offers a simple, reliable solution for monitoring conditions in various environments, both indoors and outdoors.

Key features include:

- Easy and quick setup process.
- Reliable hardware with excellent Bluetooth range.
- 24/7 constant monitoring and reporting with data updated when in range.
- 30 days of on-board data logging and unlimited in-app storage.
- Heat Index calculation for a more accurate view of thermal comfort.
- Splash/water-resistant design for versatile application.
- Easily replaceable battery with an extended life of 1-2 years.

2. Setup

Setting up your SensorPush HTP.xw is designed to be straightforward and quick. Follow these steps to get started:

1. **Download the App:** Download the SensorPush app from the App Store (iOS) or Google Play Store (Android).
2. **Power On:** The sensor comes with a pre-installed Lithium Metal battery. Ensure the battery is properly seated.

3. **Pairing:** Open the SensorPush app on your smartphone or tablet. The app will guide you through the process of discovering and pairing with your HTP.xw sensor via Bluetooth. Ensure your device's Bluetooth is enabled.
4. **Optional G1 WiFi Gateway:** For remote access and unlimited cloud storage, consider adding a SensorPush G1 WiFi Gateway (sold separately). This allows you to view data from anywhere via the internet.

Smart Sensors Made Simple

Wireless sensors with alerts for monitoring temperature, humidity, and barometric pressure.



- *Easy to set up, easy to use.*
- *Customize notifications and alerts.*
- *Water resistant.*



Image: SensorPush HTP.xw sensor shown alongside app download icons for easy setup.

Track your data and detect *patterns* before they become *problems*.

- *In-App Data Storage: Unlimited*
- *On-board Sensor Storage: 30 days*
- *Export Your Data*



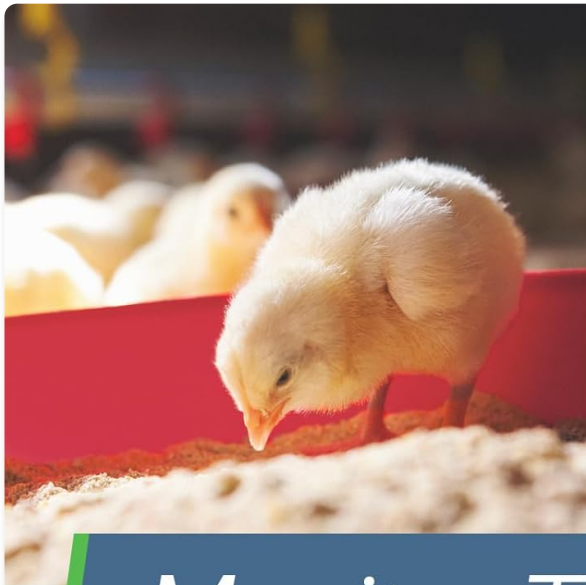
Image: The SensorPush HTP.xw sensor connecting to various mobile devices via Bluetooth, highlighting its compatibility with the optional G1 WiFi Gateway for extended range.

3. Operating

Once your SensorPush HTP.xw is set up, it continuously monitors environmental conditions. The app provides a user-friendly interface to view and manage your data.

- **Real-time Data:** View current temperature, humidity, heat index, barometric pressure, dewpoint, and VPD readings directly in the app.
- **Data Logging:** The sensor stores up to 30 days of data on-board. When your device is within Bluetooth range (up to 100m line of sight), this data is automatically synced to the app for unlimited storage.
- **Historical Graphs:** The app displays historical data in clear, intuitive graphs, allowing you to track trends and detect patterns over hours, days, weeks, months, or even years.
- **Data Export:** Easily export your data for further analysis or record-keeping.
- **Custom Alerts:** Set custom alerts for temperature and humidity thresholds. Receive notifications on

your mobile device if conditions exceed your predefined limits.



Monitor Temperature



Image: The SensorPush app displaying detailed graphs for temperature, relative humidity, and barometric pressure, allowing users to track environmental data over various timeframes.

Precise readings using the world's most accurate digital humidity & temperature sensor

- *For your home*
- *For hobbies*
- *For peace of mind*
- *For your health*
- *Protect your belongings*
- *Monitor your products*
- *Manage properties*

Image: A close-up of the SensorPush HTP.xw sensor, emphasizing its capability to provide precise digital humidity and temperature readings for various applications.

4. Maintenance

The SensorPush HTP.xw is designed for low maintenance. The primary maintenance task is battery replacement.

- **Battery Life:** Under typical conditions, the included Lithium Metal battery provides an extended battery life of 1-2 years. In colder environments, battery life may be closer to 1 year.
- **Battery Replacement:** The battery is easily replaceable. When the battery level is low, the app will notify you. Refer to the device's physical instructions for specific steps on how to open the compartment and replace the battery.
- **Cleaning:** Keep the sensor clean and free from dust or debris to ensure accurate readings. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.

5. Troubleshooting

If you encounter issues with your SensorPush HTP.xw, try the following troubleshooting steps:

- **No Data/Connection Issues:**
 - a. Ensure Bluetooth is enabled on your mobile device.
 - b. Bring your mobile device closer to the sensor to ensure it's within Bluetooth range (up to 100m line of sight).
 - c. Check the battery level in the app. If the battery is low, replace it.
 - d. Restart the SensorPush app.
 - e. If using a G1 WiFi Gateway, ensure it is powered on and connected to your WiFi network.
- **Inaccurate Readings:**
 - a. Ensure the sensor is placed in an area with good airflow and not directly exposed to heat sources, direct sunlight, or extreme drafts.
 - b. Verify that the sensor is clean and free from any obstructions.
- **App Not Responding:**
 - a. Close and reopen the SensorPush app.
 - b. Restart your mobile device.

If these steps do not resolve your issue, please contact SensorPush customer support for further assistance.

6. Specifications

Specification	Detail
Model Number	HTP.xw
Item Weight	10 g
Product Dimensions	4 x 4 x 1.65 cm
Batteries	1 Lithium Metal battery (included)
Battery Life	Up to 2 years (1-2 years in cold conditions)
Measurement Accuracy	±1.5%RH, ±0.1°C, ±0.012inHg
Mounting Type	Tabletop
Special Features	Waterproof
Operating Humidity	10-90%
Temperature Range	Lower: 0.1°C, Upper: 140°F
Country of Origin	USA

7. Warranty and Support

SensorPush is a U.S. based company committed to quality and customer satisfaction. Development and support are handled in-house by our dedicated team.

- **Return Policy:** The product is eligible for a refund/replacement within 30 days of purchase.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please reach out to SensorPush customer support. We are always happy to help, before or after your purchase.