

# Temperature/Humidity Sensors TH1 Series

The TH1 series is battery-powered with an internal temperature and humidity sensor and built-in data transmitter to monitor ambient temperature. The compact enclosure operates in extreme temperatures, making it easy to install in almost any environment. This sensor is ideal for hospitals, kitchens, museums, laboratories, storage units, warehouses and food service buildings in order to improve product safety, quality, and preservation and increase labor efficiency. The 418 & 900 MHz models use a Sensor Server, while the Wi-Fi model reduces the need for additional hardware by using an existing Wi-Fi network to transmit and collect sensor data. All models use VeatTrak Software to automatically calculate historical reports and graphs.

418 mhz

Wi-Fi &  
900 mhz



## Ordering

418 MHz Temperature/Humidity Sensor - XR4-TH1

900 MHz Temperature/Humidity Sensor - XR9N-TH1

Wi-Fi 802.11b Temperature/Humidity Sensor - XR8-TH1

## Main Features

- Monitors temperature and humidity in ambient settings
- Up to 100 sensors can coexist using a Sensor Server
- Wi-Fi model supports WEP 128 and WPA2-PSK (AES)
- Wi-Fi model easily configured using a USB cable
- Proprietary system does not interfere with other transmissions

| PARAMETER                     | 418 MHZ            | 900 MHZ             | WI-FI               |
|-------------------------------|--------------------|---------------------|---------------------|
| Transmission Rate             | 10 to 17 seconds   | User Defined        | User Defined        |
| Transmission Range (LOS)*     | 600 feet           | 75-100 feet         | 75-100 feet         |
| Transmission Range (Indoor)*  | 200 feet           | 75-100 feet         | 75-100 feet         |
| Dimensions                    | 2.5" x 2.0" x 1.0" | 4.5" x 2.75" x 1.0" | 4.5" x 2.75" x 1.0" |
| Weight                        | 1.0 oz             | 5.0 oz              | 5.0 oz              |
| Battery                       | 3.6V Lithium       | 1.5V Lithium        | 1.5V Lithium        |
| Humidity Accuracy             | ± 3% RH            | ± 3% RH             | ± 3% RH             |
| Humidity                      | 0% - 90%           | 0% - 90%            | 0% - 90%            |
| Temperature Accuracy          | ±0.4°              | ±0.4°               | ±0.4°               |
| Storage/Operating Temperature | -40° to 85° C      | -40° to 60° C       | -40° to 60° C       |

\* Maximum transmission ranges are determined using ideal conditions; SenSource recommends using a 50% safety factor for most installations. 418MHz sensors are FCC compliant. Wi-Fi sensors are FCC, IC and CE compliant.