

WIRELESS TEMPERATURE AND HUMIDITY SENSOR - WI-FI

DESCRIPTION:

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 temperatures ranging from -40° to 60° C, 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. Using the XR8-TH1Wi-Fi enabled sensor reduces the need for additional hardware by using an existing Wi-Fi network to transmit and collect sensor data. Using a Sensor Server and Vea Software, automatic and historical reports and graphs are easily calculated.



WiFi
802.11b

Ordering: XR8-TH1 (Wi-Fi 802.11b)

MAIN FEATURES:

- > Monitors temperature and humidity in ambient settings
- > Up to 100 sensors can coexist using a Sensor Server
- > XR8-TH1 WiFi supports WEP 128 and WPA2-PSK (AES)
- > XR8-TH1 easily configured using a USB cable
- > Proprietary system does not interfere with other transmissions

APPLICATIONS:

- > Storage units and warehouses
- > Hospital surgery rooms
- > Kitchen preparation areas
- > Museum display rooms
- > Scientific laboratories

TECHNICAL DATA:

Transmission Rate	user-defined
Maximum Transmission Range (LOS)*	75-100 feet
Maximum Transmission Range (Indoor)*	Wi-Fi: 75-100 feet
Dimensions	4.5" x 2.75" x 1.0"
Weight	5.0 oz
Battery life with 15 minute transmissions	87,600 transmissions
Battery	1.5V Lithium
Humidity Accuracy (at 20% to 80% RH)	± 3% RH
Humidity	0% to 90% non-condensing
Temperature accuracy (at 25°C)	± 0.4° C
Storage/ Operating temperature	-40° to 60° C

* Maximum transmission ranges are determined using ideal conditions; SenSource recommends using a 50% safety factor for most installations

Custom features are available. Please contact factory for more information.

How SenSource Wi-Fi Temperature and Humidity Environmental Systems Work



1 Multiple Wi-Fi environmental sensors transmit temperature and humidity data to a sensor server located at a data collection center using an existing Wi-Fi access point.

2 Using Vea Server Software, data is stored and collected onto a MS SQL database using either a PC or server.

3 Vea Client Software can be used to configure, collect, monitor and report on environmental data.

