Temperature Sensors

TMP1 Series

The TMP1 series is battery-powered with an internal temperature sensor and built-in data transmitter to monitor ambient temperature. The compact enclosure operates in temperatures ranging from -40˚ to 85˚ 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. 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 in the TMP1 series use VeaTrak Software to automatically calculate historical reports and graphs.

Ordering

418 MHz Temperature Sensor - XR4-TMP1
900 MHz Temperature Sensor - XR9-TMP1
Wi-Fi 802.11b Temperature Sensor - XR8RS-TMP

Main Features

- Monitors temperature in ambient settings
- Small, lightweight enclosure is easy to install
- Up to 100 sensors can coexist using a Sensor Server
- Proprietary system does not interfere with other transmissions
- 900MHz and Wi-Fi models available in sealed enclosures

PARAMETER	418 MHZ	900 MHZ	WI-FI
Transmission Rate	10 to 17 seconds	5 minutes	User Defined
Transmission Range (LOS)*	200 feet	5280 feet	75-100 feet
Transmission Range (Indoor)*	75 feet	1300 feet	75-100 feet
Dimensions	3.7" x 2.55" x 2.25"	3.9" x 3.9" x 2.0"	2.56" x 1.97" x 1.38"
Weight	1.5 oz	4.7 oz	4.7 oz
Battery	(1) 3.6V AA Lithium	(2) 1.5V AA Lithium	(2) 1.5V AA Lithium
Battery Life with Transmissions	2-3 years	2-3 years	2-3 years
Storage Operating Temperature	-40˚ to 85˚ C	-40˚ to 85˚ C	-40˚ to 85˚ C
Temperature Resolution	±0.0625˚ C	±0.0625˚ C	±0.0625˚ C
Humidity	0% to 90%	0% to 90%	0% to 90%

Maximum transmission ranges are determined using ideal conditions; SenSource recommends using a 50% safety factor for most installations. 418MHz and 900MHz sensors are FCC compliant. Wi-Fi sensors are FCC, IC and CE compliant.

RTD Temp Sensor with Probe

RTD1 Series

The RTD1 series is battery-powered with an external probe and a built-in data transmitter to monitor air or media temperature. The compact enclosure operates in extreme temperatures, making it easy to install in almost any environment. This sensor is ideal for monitoring ambient air in sealed areas simultaneously such as a refrigerator and a freezer, or temperature controlled media such as liquids, in order to improve product safety, quality, preservation and increase labor efficiency. The 418 & 900 MHz models use a Sensor Server while the Wi-Fi models use an existing Wi-Fi network to transmit and collect sensor data. All models use VeaTrak Software to automatically calculate historical reports and graphs. Probes are purchased separately from sensor and are specific to the application.

418 mhz

Wi-Fi & 900 mhz

Ordering

418 MHz RTD Temp Sensor with Probe - XR4-RTD1
900 MHz Dual Channel RTD Temp Sensor with Probe - XR9ND-RTD
900 MHz Single Channel RTD Temp Sensor with Probe - XR9NS-RTD
Wi-Fi 802.11b RTD Temp Sensor with Probe - XR8S2-RTD, XR8D2-RTD

Main Features

- Monitors temperature using thermistor probes
- Measures extreme temperatures
- Up to 100 sensors with single probe or 50 sensors with dual probes can coexist using a Sensor Server
- Federal Communications Commission certified radio transmitter

PARAMETER	418 MHZ	900 MHZ	WI-FI
Transmission Rate	10 to 17 seconds	User Defined	User Defined
Transmission Range (LOS)*	600 feet	1300 feet	75-100 feet
Transmission Range (Indoor)*	75 feet	6500 feet	75-100 feet
Dimensions	3.7" x 2.55" x 2.25"	4.5" x 2.75" x 1.0"	4.625" x 2.85" x 1.0"
Weight	1.0 oz	5.0 oz	5.0 oz
Battery	(1) 3.6V AA Lithium	(2) 1.5V Lithium	(1) 1.5V Lithium
Battery Life with Transmissions	2.5 years	2.5 years	2 years
Storage Temperature	-40° to 60° C	-40° to 80° C	-40° to 60° C
Operating Temperature	-200° to 200° C	-200° to 200° C	-40° to 60° C
Temperature Resolution	± 0.1° C	± 0.1° C	± 0.1° 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.

SENSOURCE WIRELESS