

Libraries and Museums

SenSource Wireless Environmental Sensors



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Maintaining the correct temperature, humidity and CO2 levels in libraries and museums is critical to the long-term preservation of sensitive materials. Extreme environmental swings can be a major contributor to the degeneration process. SenSource Wireless can provide the assurance that your facility and environment are monitored to your defined standards. We provide wireless solutions to monitor, alert and record the temperature, humidity and CO2 levels in a cloud-based environment. Reduce the manual processes and record keeping that is required through a real-time wireless monitoring system. Your team can then focus on what matters, supporting guests and visitors.

Preservation Professionals:

- Monitoring and recording temperature, humidity and CO2 in critical areas
- Be on the forefront of reducing the possibility of sensitive document and material failures due to environmental changes
- Scalable cloud-based interface for customized alerts and notices
- Historical data that can be retrieved via computer, tablet or smartphone

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Temperature Sensors

The RTD1 series are battery-powered temperature sensors with an external single or dual RTD probe. They are ideal for monitoring sealed storage environments like refrigerators, freezers or liquids. The modular design includes built-in wireless communication with visual and audible alarms. The probes can operate in temperatures ranging from -200° to 125° C. They can be easily installed on the outside surface of the container or liquid being monitored.

Models:

418 MHz Temperature Sensor - XR43-TMP1 (single input)

900 MHz Temperature Sensor – XR9NS-RTD (single input)/XR9ND-RTD (dual input)

Wi-Fi 802.11b Temperature Sensor – XR8S2-RTD (single input)/XR8D2-RTD (dual input)

* Probes are purchased separately depending on the temperature range required



Temperature/Humidity Sensors

The TH1 series are self-contained, battery-powered temperature & humidity sensors. They are designed to be used in areas which require ambient temperature and humidity monitoring. The design includes built-in wireless communication with visual and audible alarms and operate in temperatures ranging from -40° to 85° C and relative humidity from 20% to 80%. These sensors can be easily installed on any surface in areas requiring monitoring.

Models:

418 MHz Temperature/Humidity Sensor - XR4ETH2

900MHz Temperature/Humidity Sensor – XR9N-TH1

Wi-Fi 802.11b Temperature/Humidity Sensor – XR8S2-TH



Temperature & Door Status Sensor

The CT1 series are battery-powered with an internal temperature sensor and data transmitter to monitor ambient temperature and door status (open, close and count). The compact enclosure operates in temperatures ranging from -40° to 85° C, making it easy to install in almost any environment. This sensor also detects when a door was left open, as well as, how many times the door was used to access the monitored area. Using VeaTrak Software, automatic and historical reports and graphs are easily calculated.

Model:

418 MHz Temperature and Door Status Sensor - XR4-CTI-LEG

900 MHz Temperature and Door Status Sensor - XR9CTI

Wi-Fi Temperature and Door Status Sensor - XR8S2-CTI

Software

900 MHz and Wi-Fi sensors wirelessly report back to SenSource VeaTrak cloud software for easy access to hardware configuration, real time & historical data. Alert conditions are processed through email or SMS.

Radio Selection

900 MHz models require use of a Link Manager (900Mhz Radio to Ethernet converter) which is ideal for applications where a Wi-Fi network is unavailable or when extended range is required. Wi-Fi models conveniently make use of existing Wi-Fi infrastructure and require no additional hardware.

Please contact us for additional product options or information.