RTD TEMPERATURE SENSOR WITH PROBE
418 MHZ WIRELESS

DESCRIPTION:

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 temperatures ranging from -200° to 200° C, making it easy to install in almost any environment measuring extreme temperatures. This sensor is ideal for monitoring ambient air in sealed areas such as refrigerators and freezers, or temperature controlled media such as liquids, in order to improve product safety, quality, preservation and increase labor efficiency. Using a Sensor Server and Vea Software, automatic and historical reports and graphs are easily calculated. Probes are purchased separately from sensor and are specific to the application.

418MHz

RTD Probe

Ordering Sensors: XR4-RTD1, 418MHz Single Probe Sensor

Ordering Probes: Stainless steel sheathed teflon cable with 4" RTD probe
Cables available in lengths of 2 feet and 6 feet
XRCBL4-200, -200° to 125° C
XRCBL4-50, -50° to 125° C

MAIN FEATURES:

- Monitors temperature using RTD probes
- Measures temperatures ranging from -200° to 200° C
- Up to 100 sensors with single probe can coexist using a Sensor Server
- Federal Communications Commission certified radio transmitter

APPLICATIONS:

- Monitor ambient air in sealed areas
- Monitor temperature in a medical or food storage refrigerator or freezer
- Monitor temperatures of liquids for laboratory and industrial uses
- Monitor temperature in kitchens

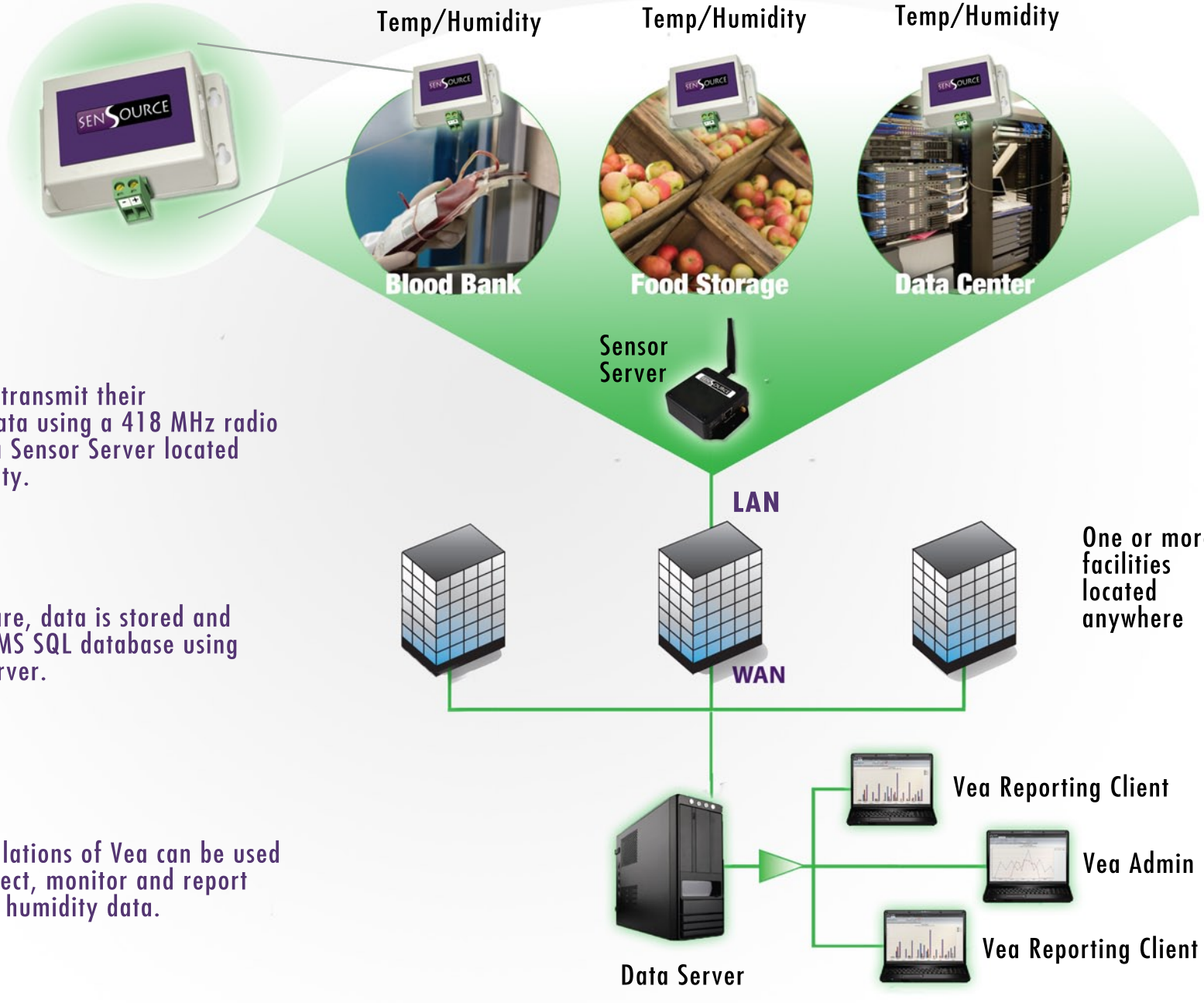
TECHNICAL DATA:	
Transmission Rate	10-17 seconds
Maximum Transmission Range (LOS)*	200 feet
Maximum Transmission Range (Indoor)*	75 feet
Dimensions	2.5” x 2.0” x 1.0”
Weight	1 oz
Battery Life with Transmissions	87,600 transmissions or approx 2.5 years
Battery	3.6 V Lithium
Temperature Resolution	0.1° C
Storage Temperature	-40° to 60° C
Operating Temperature	-200° to 200° C

* Maximum transmission ranges are determined using ideal conditions. SenSource recommends using a 50% safety factor for most installations. SenSource does not guarantee battery life or transmission range.

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

3890 Oakwood Ave., Youngstown, OH 44515 | (800) 239-1226 Fax: (877) 517-2586 | www.SenSourceWireless.com

How SenSource 418 MHz Temperature and Humidity Environmental Systems Work



1 Wireless sensors transmit their environmental data using a 418 MHz radio transmission to a Sensor Server located within your facility.

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

3 Distributed installations of Vea can be used to configure, collect, monitor and report temperature and humidity data.

SENSOURCE

Wireless Solutions

RTD WIRELESS TEMPERATURE SENSOR WITH PROBE
900 MHZ WIRELESS

DESCRIPTION:

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 temperatures ranging from -200° to 200° C, making it easy to install in almost any environment measuring extreme temperatures. This sensor is ideal for monitoring ambient air in sealed areas such as refrigerators and freezers, or temperature controlled media such as liquids, in order to improve product safety, quality, preservation and increase labor efficiency. Using a Sensor Server and Vea Software, automatic and historical reports and graphs are easily calculated. Probes are purchased separately from sensor and are specific to the application.

900 MHz
Dual Input Shown

RTD Probe

ORDERING:

- **XR9ND-RTD** and **XR9NS-RTD**, Single or Dual Channel

MAIN FEATURES:

- Measures analog input level (0-10v, 0-5v, 0-20ma)
- 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
- Remotely configurable

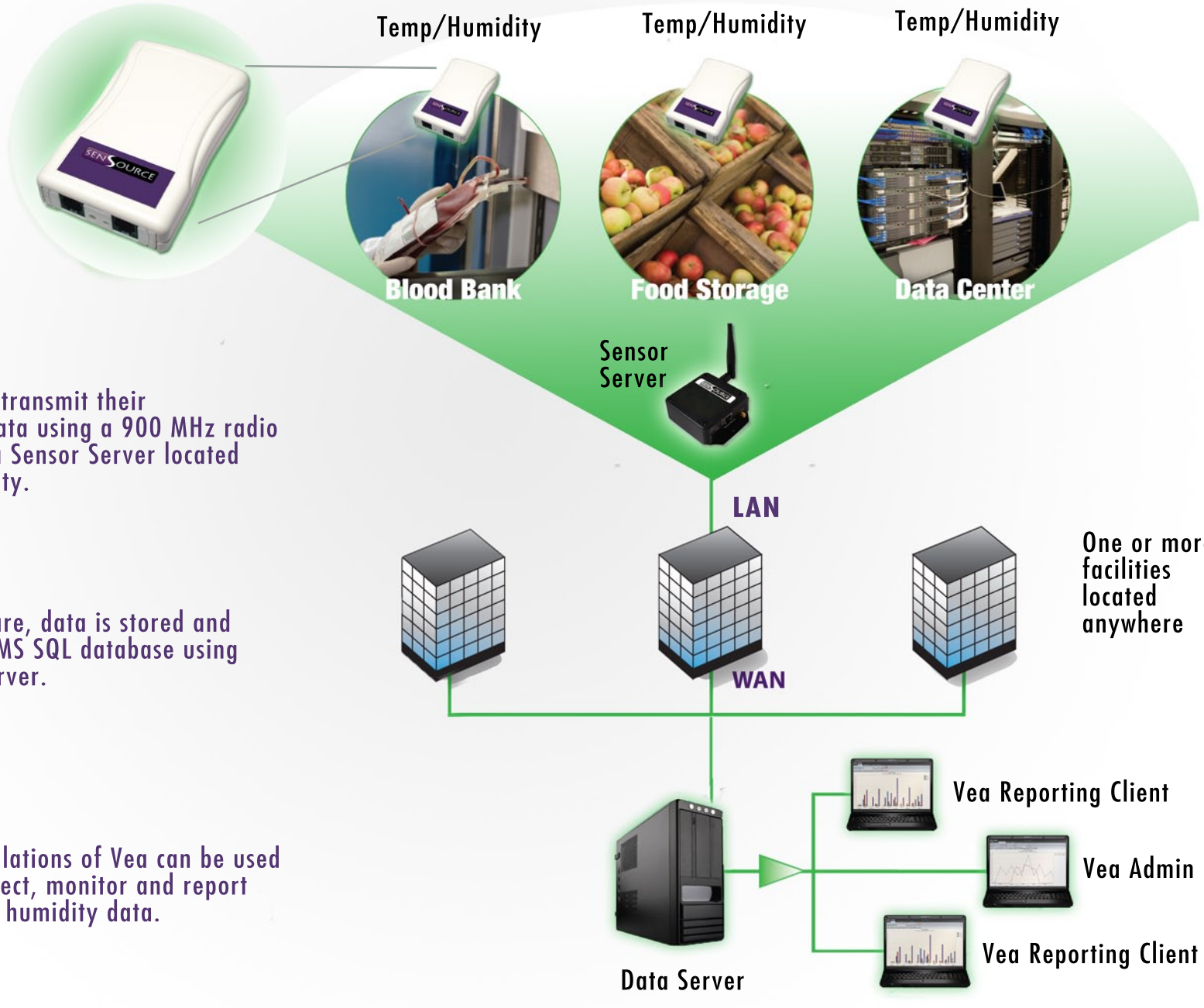
APPLICATIONS:

- Industrial uses
- To monitor existing temperature sensors used to regulate dampers in an industrial building
- To monitor existing pressure sensors that are used to regulate pressure in vehicles and machinery

TECHNICAL DATA:	
Transmission Rate	user defined
Maximum Transmission Range (LOS)*	1300 feet
Maximum Transmission Range (Indoor)*	6500 feet
Temperature Resolution	0.1° C
Weight	5.0 oz
Battery Life with 15 Minute Transmissions	87,600 transmissions or approx 2.5 years
Battery	(2) 1.5V Lithium
Storage/ Operating Temperature	-40° to 85° C / -40° to 185° F
Dimensions	4.5" X 2.75" X 1.0"

* Maximum transmission ranges are determined using ideal conditions. SenSource recommends using a 50% safety factor for most installations. SenSource does not guarantee battery life or transmission range.
Custom features are available. Please contact factory for more information.

How SenSource 900 MHz Temperature and Humidity Environmental Systems Work



1 Wireless sensors transmit their environmental data using a 900 MHz radio transmission to a Sensor Server located within your facility.

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

3 Distributed installations of Vea can be used to configure, collect, monitor and report temperature and humidity data.