SENSOURCE Wireless Solutions

TEMPERATURE SENSOR WITH THERMISTOR PROBE 418 MHZ WIRELESS

DESCRIPTION:

The TR1 series is battery-powered with an external thermistor probe and built-in data transmitter to monitor air or media 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 refrigerators and freezers, or temperature controlled media such as liquids in order to improve product safety, quality, and 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

Thermistor Probe

Ordering: XR4-TR1 (418 MHz)

Ordering Probes: SS-TR125-2-72 (0.125" x 2" stainless steel probe with 6" wire leads)

MAIN FEATURES:

- Uses an external probe to measure temperature in enclosed areas or liquids
- Small, lightweight enclosure is easy to install
- Up to 100 sensors can coexist using a Sensor Server data receiver
- Proprietary system does not interfere with other transmissions

APPLICATIONS:

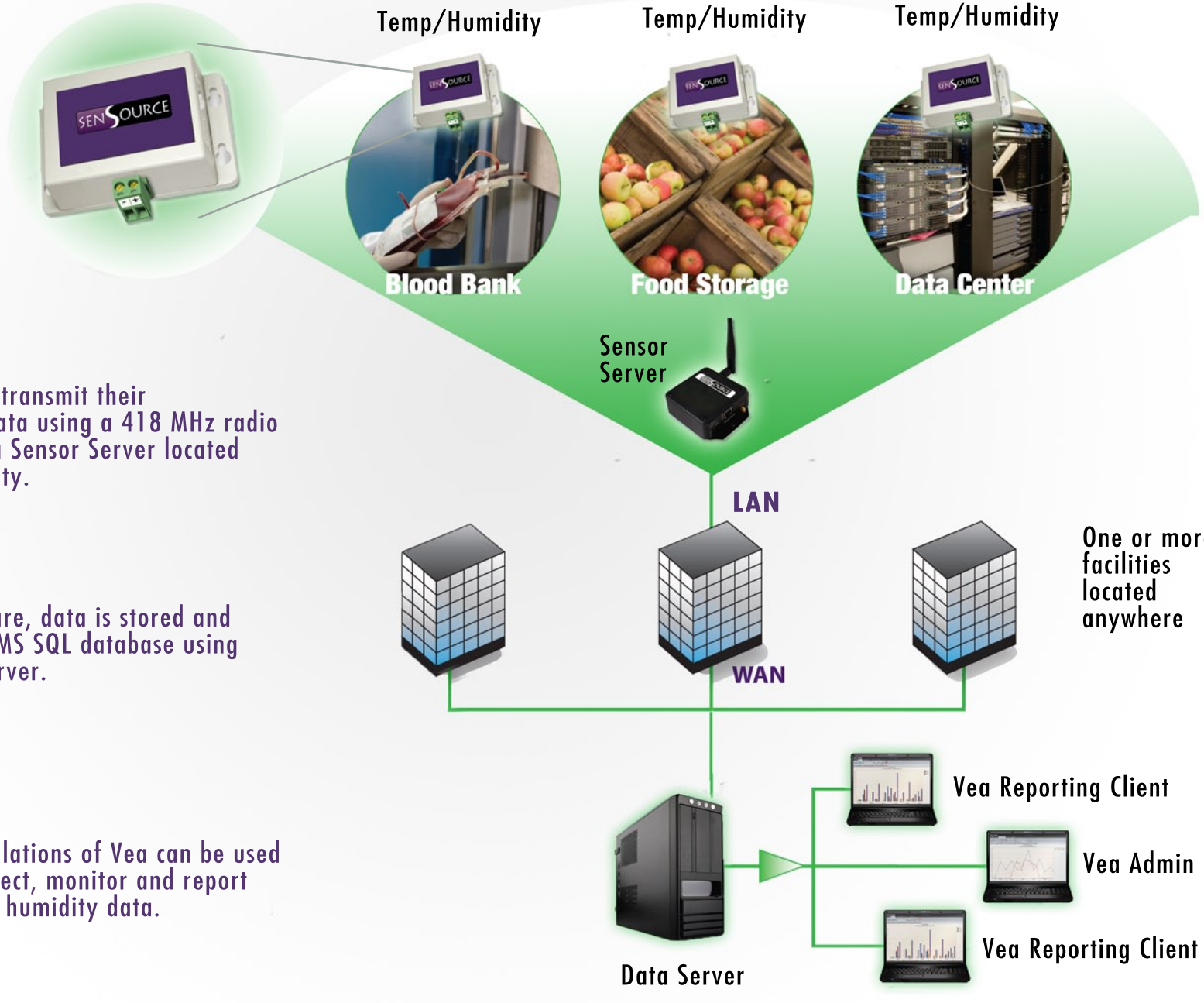
- Monitor sealed areas such as inside refrigerators and freezers
- Monitor temperature of liquids in laboratories
- Monitor museum display cases
- Monitor storage of prescription drugs in hospitals and pharmacies

TECHNICAL DATA:	
Transmission Rate	10-17 seconds
Maximum Transmission Range (LOS)*	200 feet
Maximum Transmission Range (Indoor)*	75 feet
Dimensions	3.7” x 2.55” x 2.25”
Weight	1.5 oz
Battery Life with Transmissions	Typical 2 years. Max 3 years
Battery	3.6V ½ AA Lithium 1 pc
Temperature resolution	0.0625° C / 0.1125° F
Storage/ Operating temperature	-40° to 85° C / -40° to 185° F

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

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

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

TEMPERATURE SENSOR WITH THERMISTOR PROBE 900 MHZ WIRELESS

DESCRIPTION:

The TR1 series is battery-powered with an external thermistor probe and built-in data transmitter to monitor air or media 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 refrigerators and freezers, or temperature controlled media such as liquids in order to improve product safety, quality, and 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

Thermistor Probe

Ordering: XR9ND-TR and XR9NS-TR, Single or Dual Channel
Ordering Probes: SS-TR125-2-72 (0.125" x 2" stainless steel probe with 6" wire leads)

MAIN FEATURES:

- Uses an external probe to measure temperature in enclosed areas or liquids
- Small, lightweight enclosure is easy to install
- Up to 100 sensors can coexist using a Sensor Server data receiver
- Proprietary system does not interfere with other transmissions

APPLICATIONS:

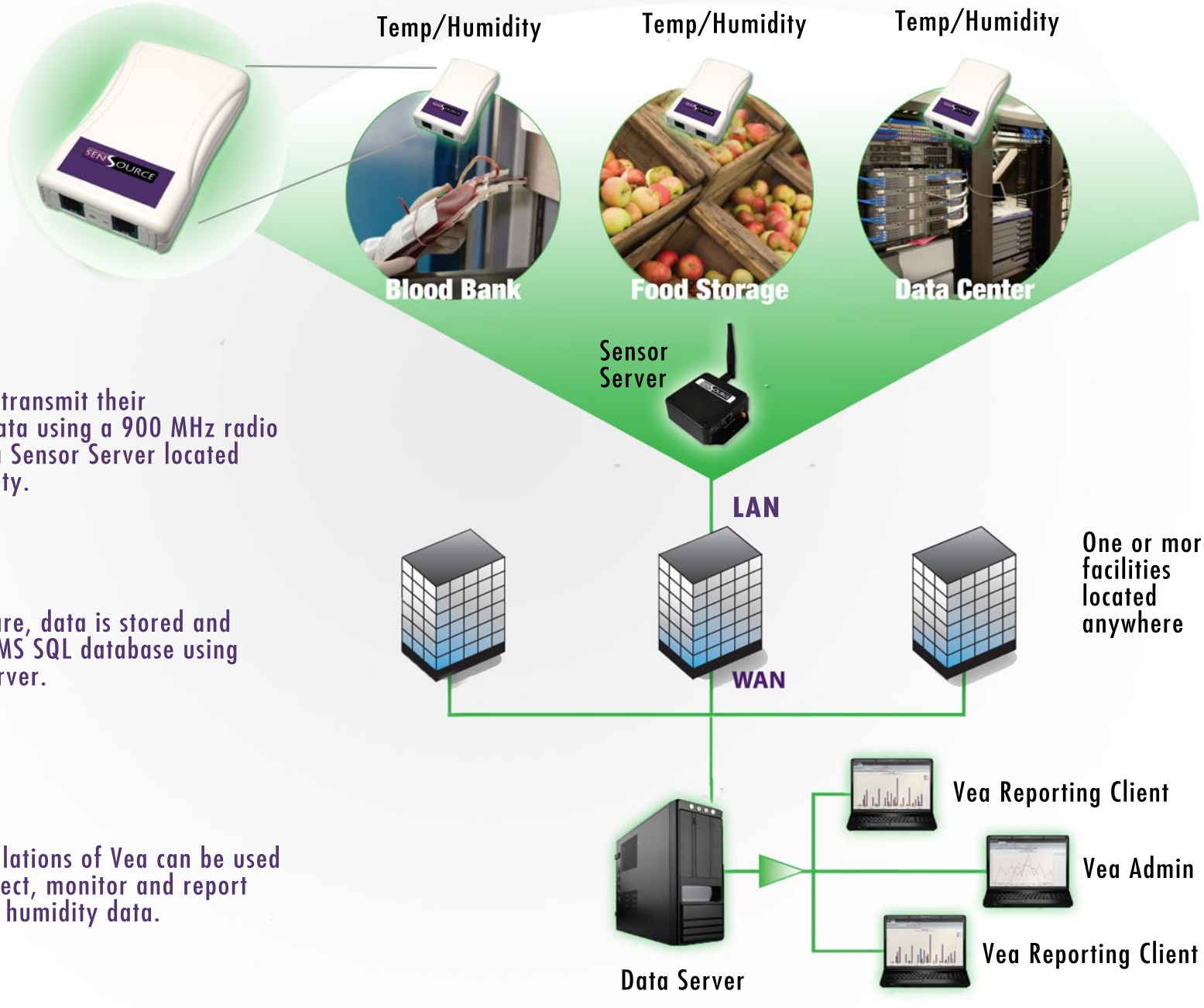
- Monitor sealed areas such as inside refrigerators and freezers
- Monitor temperature of liquids in laboratories
- Monitor museum display cases
- Monitor storage of prescription drugs in hospitals and pharmacies

TECHNICAL DATA:	
Transmission Rate	user defined
Maximum Transmission Range (LOS)*	1300 feet
Maximum Transmission Range (Indoor)*	650 feet
Dimensions	4.5" x 2.75" x 1.0"
Weight	5.0 oz
Battery Life with Transmissions	87,600 transmissions, approx 2.5 years
Battery	(2) 1.5V Lithium
Temperature resolution	0.0625° C / 0.1125° F
Storage/ Operating temperature	-40° to 85° C / -40° to 185° F

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

Custom features are available. Please contact SenSource 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.