

These units are available in both remote temperature and remote temperature/humidity versions. The remote box can be connected to the sensorProbe by using a standard CAT-5 cable with RJ45 connectors.

This provides the customers a flexibility to position the sensorRemote box anywhere with a custom cable. The sensorRemote box contains sensors and support circuitry allowing the cable to be extended up to 1,000 feet. Standard RJ45 connectors are used, allowing the sensorRemote box to be connected via corporate networking patch panels in many cases.



When the sensorRemote box is plugged into the RJ-45 port, the sensorProbe will auto detect the sensor, and it will display temperature or temperature/humidity for each RJ-45 port. A built in graph option is included on all sensorProbes for graphing temperature or temperature/humidity variations over a period of time.

The temperature sensorRemote box can be read using included SNMP utilities to allow graphing and data logging at 0.5°C resolution.

The temperature sensor in the temperature/humidity sensorRemote box can be read using included SNMP utilities to allow graphing and data logging at 0.2°C resolution.

Specifications - sensorRemote Temperature sensor

Never needs Calibration

Measurement range Celsius:-55°C to +125°C

Measurement resolution Celsius: 1°C increments

Measurement accuracy Celsius: $\pm 0.5^\circ\text{C}$ accuracy from -10°C to +85°C

Measurement range Fahrenheit: -67°F to +257°F

Measurement resolution Fahrenheit: 1°F increments

Measurement accuracy Fahrenheit: $\pm 0.9^\circ\text{F}$ accuracy from +14°F to +185°F

Sensor type: semiconductor microprocessor controlled

Power source: powered by the sensorProbe. No additional power needed

The sensorProbe auto detects the presence of the temperature sensor

Measurement rate: one reading every second

Up to 2 temperature sensors per sensorProbe2, 8 per sensorProbe8 and cameraProbe8

Full auto sense including disconnect alarm

Specifications - Temperature

Never needs Calibration

Measurement rate: one reading every second.

Measurement range Celsius:-40°C to +123°C

Measurement resolution Celsius: 1°C

Measurement accuracy Celsius: $\pm 0.2^\circ\text{C}$

accuracy from -40°C to +120°C

Measurement range Fahrenheit: -40°F to +254°F

Measurement resolution Fahrenheit: 1°F increments

Measurement accuracy Fahrenheit: $\pm 0.4^\circ\text{F}$

accuracy from -40°F to +248°F

Humidity

Never needs Calibration

Measurement rate: one reading every second

Measurement range: 0 to 100% Relative humidity

Sensor element is waterproof

Resolution: 1%

Accuracy at 25°C $\pm 3\%$

Communications cable: RJ-45 jack to dual sensor using UTP Cat 5 cable

Power source: powered by the sensorProbe

The sensorProbe auto detects the presence of the dual sensor

Includes disconnect alarm

Up to 2 dual sensors per sensorProbe2, 8 per sensorProbe8 and cameraProbe8