

The dual sensor has both temperature and humidity measuring capabilities in a single sensor. This extends the capability of the sensorProbe to measure up to 8 temperature and 8 humidity sensing parameters, just by connecting 8 dual sensors.

Up to 2 dual sensors can be plugged into RJ-45 jacks on the sensorProbe2 and 8 sensors on the sensorProbe8. Specially designed CAT 5 cable assures a correct reading up to 100 feet, and is available in standard length of 1 foot, 15 feet, 60 feet, and 100 feet, allowing the sensors to be positioned in hot spots. These dual sensors can be extended beyond their standard length. In some cases they can be extended up to 1,000 feet.



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

Each sensor has its own SNMP OID so that data can be collected over the network and graphed using external application like MRTG.

The temperature sensor can be read using included SNMP utilities to allow graphing and data logging at 0.2°C resolution.

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

Specifications - 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