

WE SENSE DISASTER...
AND NOW YOU ARE IN CONTROL...

Dual Sensor



A new sensor from the AKCP family of sensors, 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 & 8 humidity sensing parameters, just by connecting dual sensors.

Up to 2 dual sensors can be plugged into RJ-45 jacks on the sensorProbe2 and 8 sensors on the sensorProbe8, Optional dual sensors can be purchased with 15 or 60 feet of cable, allowing the sensors to be positioned in hot spots. The sensorProbe auto detects the presence of the dual sensor. Each sensor has its own SNMP OID so that data can be collected over the network and graphed.

When the dual sensor is plugged into the RJ45 port, the sensorProbe will auto detect the sensor, and it will display Temperature & Humidity for each RJ45 port. The user can click the links for Temperature & Humidity and can enter the settings page to configure the sensors.

Specifications

Temperature

- Measurement range Celsius: -40°C to +125°C
- Measurement resolution Celsius: 0.04°C
- Measurement accuracy Celsius: ±0.5°C accuracy from -10°C to +85°C
- Measurement range Fahrenheit: -67°F to +257°F
- Measurement resolution Fahrenheit: 0.9°F increments
- Measurement accuracy Fahrenheit: ±0.9°F accuracy from +14°F to +185°F

Humidity

- Measurement range: 0 to 100% Relative humidity
- Sensor element wettable without damage
- Resolution: 0.5 %
- Accuracy at 25°C ±3%,
- Working Range -20°C +60°C

Communications cable: RJ45 jack to dual sensor using UTP Cat 5 cable.

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

sensorProbe autodetects the presence of the dual sensor

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

Features

- Power source: powered by the sensorProbe. No additional power needed.
- sensorProbe autodetects the presence of the humidity sensor
- Measurement rate: one reading every second
- Up to 2 humidity sensors per sensorProbe
- Full autosense including disconnect alarm
- Sensor element wettable without damage