Record Accurate Temperature Data

Compatible with all AKCP base units, this temperature sensor will monitor for hotspots in your data center, inside your computer cabinet or at air inlets and exhausts.

Auto Sense

When the temperature sensor is plugged into the RJ-45 port of the AKCP base unit, it will be automatically detected and configured to display the correct values.

SNMP and Data Logging

Each Temperature sensor has it's own SNMP OID so that data can be collected over a network.External applications like MRTG can be used to draw graphs, and SNMP utilities can log data at 0.2°C resolution. A built in graphing option is included on all base units for graphing temperature variations over a period of time.
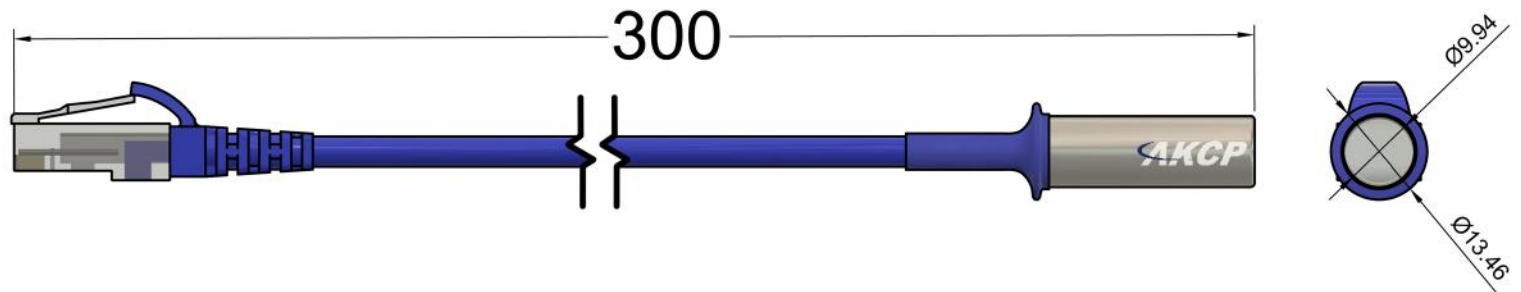
Calibration

AKCP's Temperature sensor is factory calibrated and arrive ready to use. However, you may find that there is a deviation of possibly +/-1°C for temperature. In this case you can off-set the deviation through the base units web itnerface using the "Reading Offset" feature. A calibration certificate can be provided upon request, please contact support@akcp.com.

Conect the sensor by inserting this to your AKCP base unit.

Conductive metal tube protects the sensor, but provides good conduction of air temperature for accurate readings.

Power.Sensors.Security

Technical Drawing

Technical Specifications

Never needs Calibration	
Measurement range Celsius	-55°C to +75°C
Measurement resolution Celsius	1°C for the sensorProbes and 0.5°C for the securityProbe units.
Measurement accuracy Celsius	±0.5°C accuracy from -10°C to +75°C
Measurement range Fahrenheit	-67°F to +167°F
Measurement resolution Fahrenheit	1°F for the sensorProbes and 0.9°F for the securityProbe units.
Measurement accuracy Fahrenheit	±0.9°F accuracy from +14°F to +167°F
Tube Material	Stainless Steel
Communications Cable	RJ45 jack to temperature sensor using UTP Cat 5 wire
Sensor Type	semiconductor microprocessor controlled
Power Source	powered by the sensorProbe. No additional power needed.
Power Consumption	Typical 10.70 mWatt, 2.14mA sensorProbe autodetects the presence of the temperature sensor
Measurement Rate	one reading every second Up to 2 temperature sensors per sensorProbe2, 8 per sensorProbe8. You can connect up to 8 on the securityProbe main unit and 8 more on each E-sensor8 expansion module.
Temperature Description IOD	.1.3.6.1.4.1.3854.1.2.2.1.16.1.1.<port>
Temperature Status IOD	.1.3.6.1.4.1.3854.1.2.2.1.16.1.4.<port>

About AKCP

AKCP established in the USA in 1981, created the market for networked temperature, environmental and power monitoring solutions. Today with over 100 employees and 130,000 installations, AKCP is the world's oldest and largest manufacturer of SNMP enabled networked sensors for the data center.