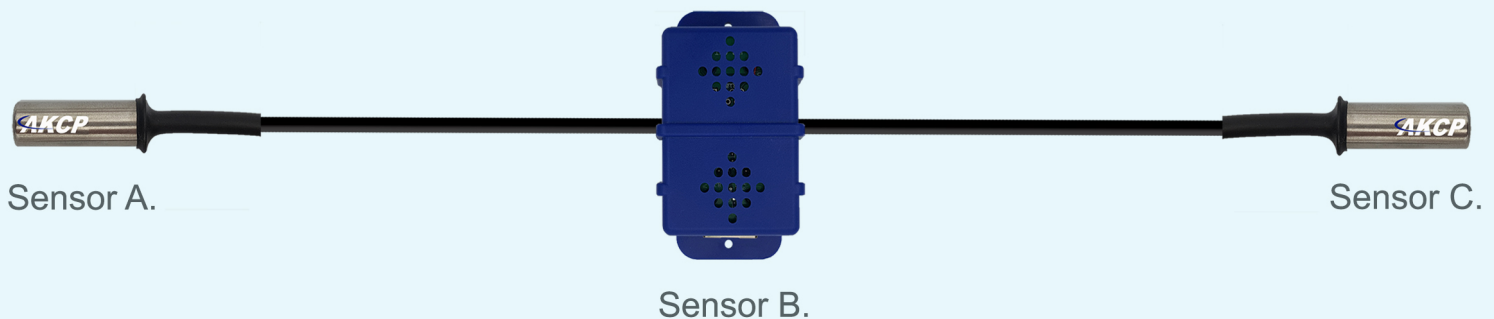


# Thermal Map Sensor

Eliminate hotspots and control cooling in your cabinet by placing thermal map sensors at the front and rear of your cabinet.

Thermal Maps are available with either temperature only or with temperature and humidity sensors. Place one at the front and a second at the rear of your cabinet to monitor the inlet and exhaust air temperatures at the top middle and bottom of your cabinet.

Gain an accurate picture of your computer cabinets temperature. Using AKCess Pro Server software a visual representation of the computer cabinet shows hotspots and potential problem areas. This allows you to better cool your rack mounted equipment, providing cost savings by providing cooling only to where it is really needed.



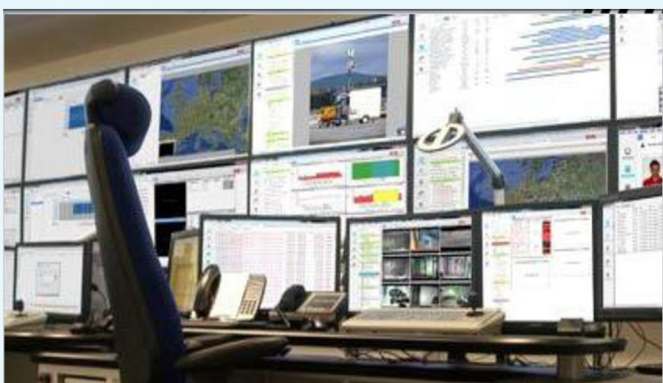
Option 1: Temperature only (Sensor A,B,C)

Option 2: Temperature and Humidity only (Sensor A,B,C)

Option 3: Temperature (Sensor A,C). Temperature and Humidity (Sensor B)

## AKCess Pro Server

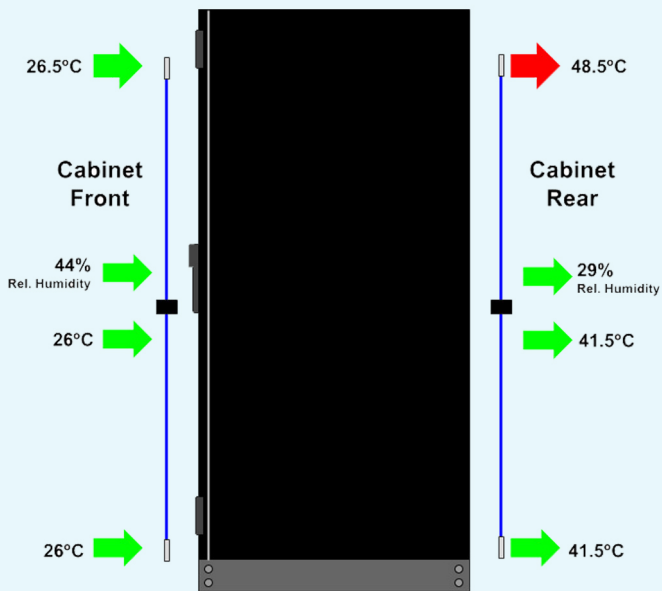
Free with all AKCP hardware



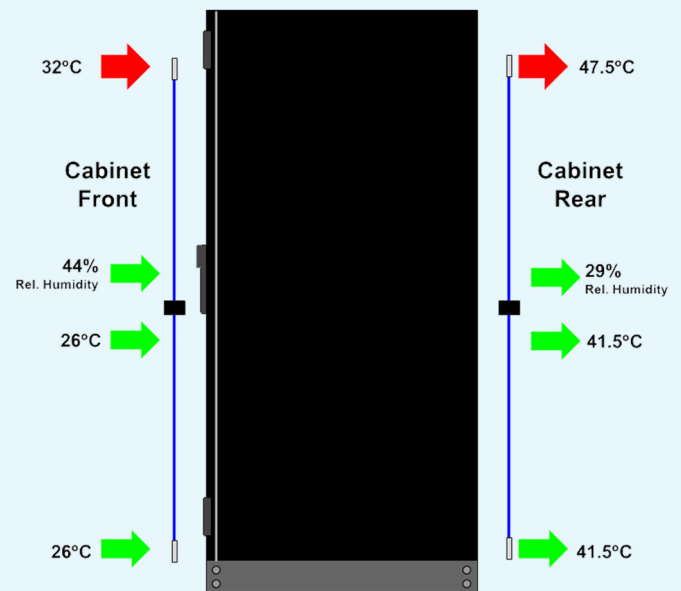
Take control of your data center power distribution, sensor monitoring, access control and security cameras. All from a single piece of software

Create custom maps of data rooms. Overlay power outlets, environmental sensors, access points and security cameras

Deploy a hierarchy of redundant notifications using SMS. Email or relay actions to trigger corrective action. Monitor cabinet security and record video events of unauthorized cabinet entry attempts and more..

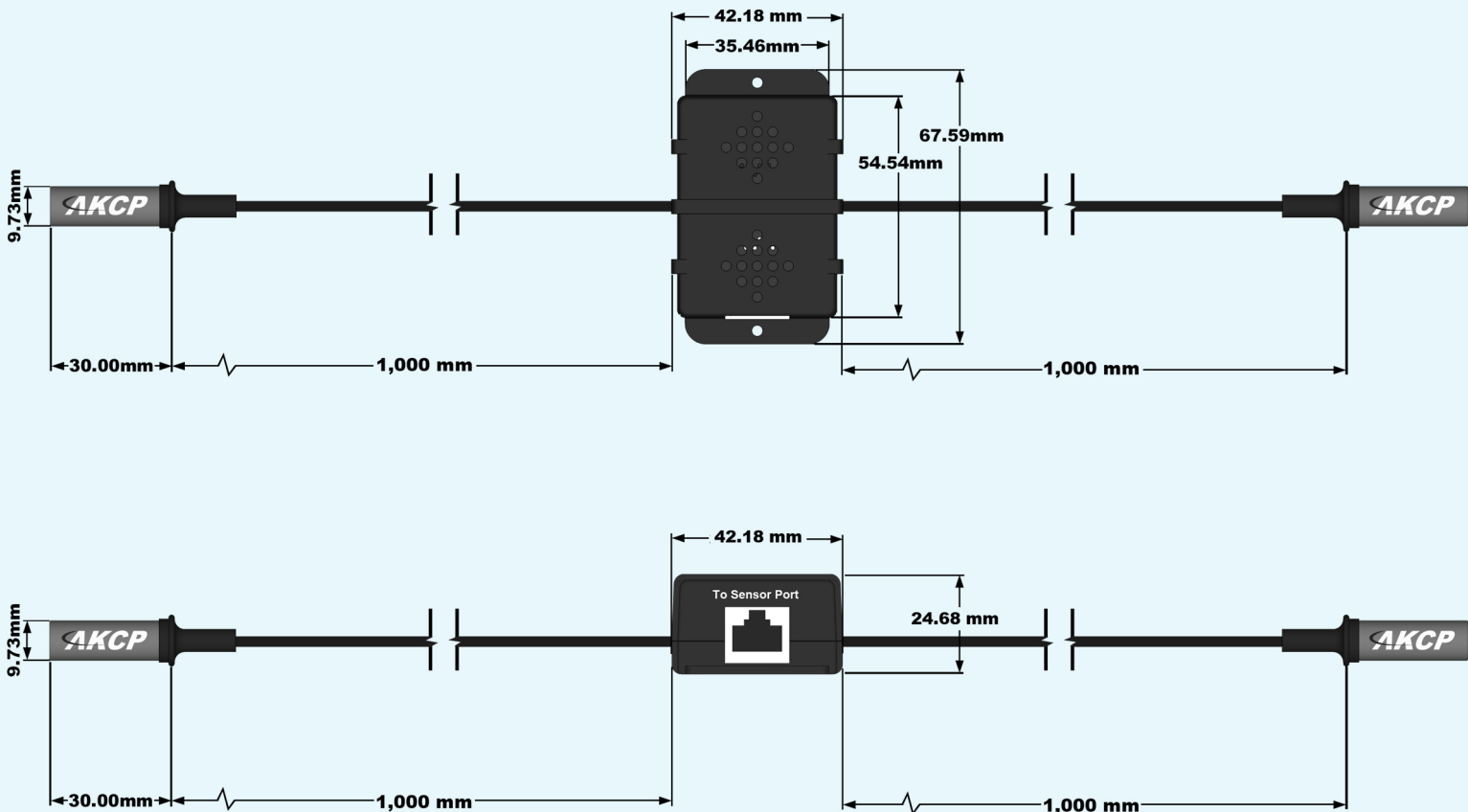


Thermal Map showing a critical alert status on the exit air temperature.



High intel air temperature indicating hot spots in the server room.

## Technical Drawing



## Technical Specifications

<b>Dual Temperature</b>	
<b>Measurement Range :</b>	-40°C to +75°C -40°F to +167°F
<b>Measurement Resolution :</b>	0.1°C increments 0.2°F increments
<b>Measurement Accuracy :</b>	Maximum $\pm 0.3$ at -40°C, minimum $\pm 0.3$ at +25°C and $\pm 0.3$ at +75°C Maximum $\pm 0.6$ at -40°F, minimum $\pm 0.6$ at +25°C and $\pm 0.6$ at +167°F
<b>Dual Humidity</b>	
<b>Measurement range :</b>	0 to 100% Relative humidity
<b>Resolution :</b>	1%RH increments, 0.01%RH sensor reading
<b>Accuracy at :</b>	25°C $\pm 2\%$ RH
<b>Single Temperature</b>	
<b>Measurement Range :</b>	-40°C to +75°C -40°F to +167°F
<b>Measurement Resolution :</b>	0.1°C increments 0.2°F increments
<b>Measurement Accuracy :</b>	$\pm 0.5^\circ\text{C}$ accuracy from -10°C to +75°C $\pm 0.9^\circ\text{F}$ accuracy from +14°F to +167°F
<b>Interface</b>	
<b>Communications cable :</b>	RJ-45 jack to sensor using UTP CAT5e/6 cable
<b>Power source :</b>	Powered by the sensorProbe+ family units. No additional power needed

<b>Power Consumption :</b>	Typical 75 mWatt, 15 mA
<b>Maximum Cable Length :</b>	Run length is 60 feet (18 meters) with approved low capacitance shielded cable or UTP
	sensorProbe+ units auto detects the presence of the Thermal Map Sensor
	Up to 3 dual Temperature and Humidity sensors per Thermal Map Sensor Customizable configuration: 1 internal and 2 external
<b>Important Note:</b>	<ul style="list-style-type: none"> <li>- The Thermal Map sensor is only compatible with the sensorProbe+ platform units.</li> <li>- When plugging the first time or after upgrading a sensorProbe+ unit, the sensor firmware might be upgraded by the unit and not be available right away.</li> </ul>

## 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.