sensorProbe4
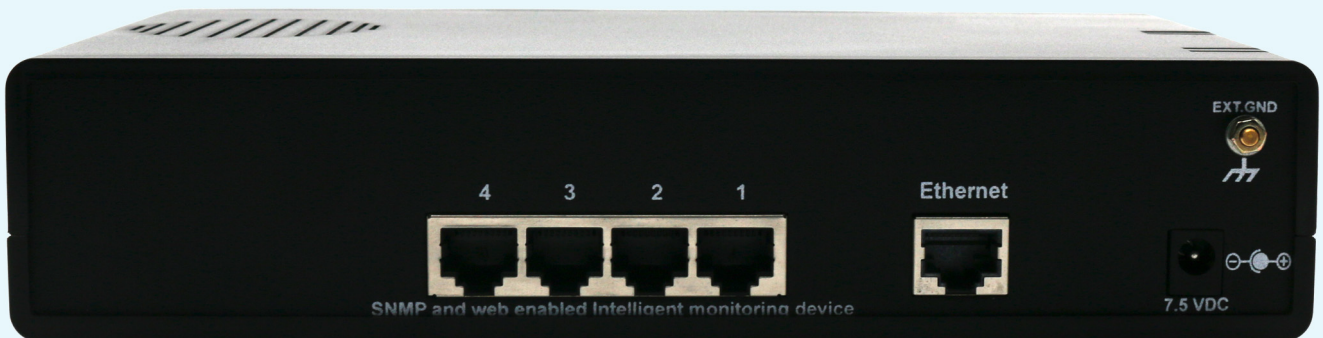
An intelligent monitoring device,the sensorProbe4 has an embedded, proprietary Linux like OS which includes TCP/IP stack, web-server and full Email and SNMP functionality. Ready to run right out of the box. Simply assign the IP address and connect to the embedded web server.

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 camers

Deploy a hierarchy of 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..

Introducing the sensorProbe4

sensorProbe4 can record all events in its database with a time stamp of when the sensor alarm was raised and the action taken place. A standalone product with no external software dependencies, the sensorProbe4 gives you the very best for your monitoring needs. It has 4 auto-sense intelligent sensor ports which work with a wide range of AKCP intelligent sensors. It can use any combination of sensors to monitor temperature, humidity, water leakage, airflow, security and even control relays.

sensorProbe4 Monitoring System

AKCP sensors can also be used to detect AC voltage and measure DC voltage. Our sensors include an integrated data collection and graphing package to spot trends in the airflow, temperature and humidity.

> **sensorProbe4 safeguards your infrastructure, resources and investment from external disaster before it happens.**
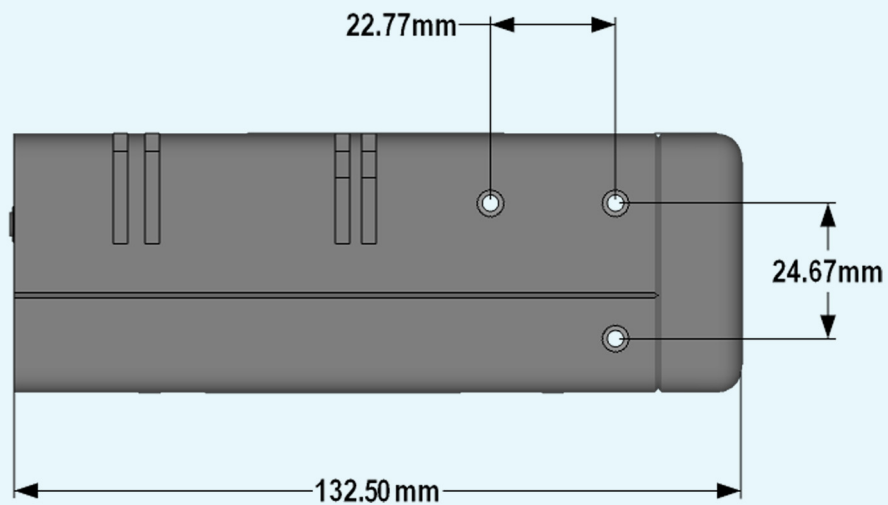
sensorProbe4 - Main Features

- Fully embedded TCP/IP and web-server.

- Built-in notification features - Email and SNMP traps.

- 4 auto-sense ports for connecting any AKCP sensors.

- A new improved web-based interface for easy configuration and monitoring.

- Continuous time feature on every sensor port to eliminate false warning alerts.

- Login for User and Administrator for better security

- Battery backed time of day clock for an accurate system date and time.

- A standalone product without any external hardware and software dependencies.

- Micro code firmware update over the Internet.

- Customized color configuration for displaying alerts.

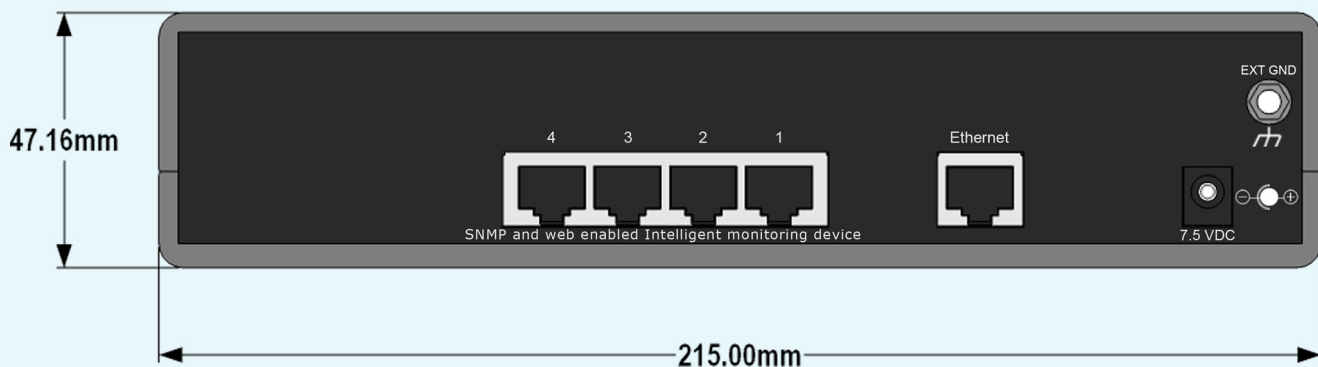- Network Management System Integration.

Technical Drawing

sensorProbe4

Power ● Activity ● Status ● ● ● ● 1 2 3 4
Link ● Online ● ● ● ●

AKCP

Front

22.77mm

24.67mm

132.50 mm

Side

47.16mm

EXT GND

4   3   2   1   Ethernet

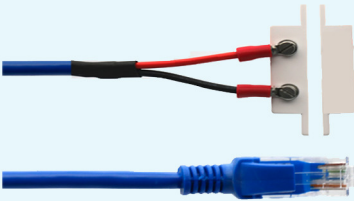SNMP and web enabled Intelligent monitoring device

7.5 VDC

215.00mm

Rear

Temperature/Humidity Sensor

Up to two Temperature / Humidity sensors can be plugged into the RJ-45jacks on the sensorProbe2. The Temperature/Humidity sensor comes with 1 foot of cable. The humidity sensor has its ownSNMP OID so that data can be collected over the network and graphed.

Security Sensors

Security sensor with an ALARM/NORMAL indication in software. Connect up to two security sensors which can detect doors and windows being opened or closed. SNMP interface for alarm/normal status. SNMP traps sent when critical.

Temperature Sensor

Up to two temperature sensors can be plugged into the RJ-45 jacks on the sensorProbe. The sensorProbe comes with a one foot temperature sensor. Temperature sensors (the remote type TMP00, not fixed one foot) can be extended with standard CAT5e network cable up to 1000 feet.
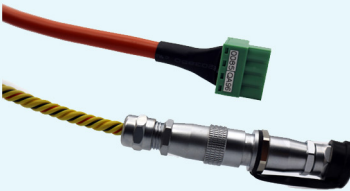
Voltage Sensors

Voltage Monitor sensor with an ALARM/NORMAL indication in software. Up to two voltage sensors per sensorProbe2. Voltage sensors can detect the presence or the absence of line voltage.

Water Sensors

The water detector sensor is an advanced microprocessor based design, capable of detecting distilled water. This water detector is designed and manufactured by AKCP.

ropeWater Sensor

Up to two ropeWater sensors can be plugged into the RJ-45 jacks on the sensorProbe2. This sensor will detect the presence of water anywhere along the rope.

4-20 mA Converter

The 4-20 mAmp signal converter is used to integrate the sensorProbe2 with a 4-20 mAmp transmitter. 4-20 mAmp technology is used to communicate analog signals over long distances where electrical interference is a problem.

AC and DC Relays

Up to two PRB00-AC or PRB00-DC sensor controlled relays can be connected to the RJ-45 sensor ports. Tied to another sensor, AC or DC equipment can be automatically controlled by the sensorProbe2.

Technical Specifications

Dimension :	Size 8.5" x 2.5" x 1.80" 1U Rack Mount Standard Weight 0.242 pounds
Network Interface :	Standard 10 Base-T Ethernet RJ-45
Mounting :	1U Rack mount bracket included
Power Requirements :	Voltage 7.5 – 9 v Current>= 1.2 Amp
Status Indication :	LED indication for Power LED for Network Connectivity LED for sensor online and Threshold status
Output :	Configurable output signals (0VDC/5VDC) on any of the 4 RJ-45 sensor ports
Inputs :	4x RJ-45 ports for connecting AKCP sensors
Operating Environment :	Temp : Min. -35°C - Max. +55°C Humidity : Min. 20% - Max. 80% (Non-Condensing)
Components :	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Power Consumption :	Typical 1.12 Watt, 0.13A
PoE – Power Over Ethernet :	SP4 PoE is IEEE 802.3af compliant

Industry Certifications & Network Management Systems

AKCP offers NMS Integration for leading network management systems such as:

- AdRem NetCrunch
- IBM Tivoli
- SiteScope
- Quest Software – Big Brother
- Loriot Pro
- Somis WebNM and Denika

- Castle Rock
- Logalot
- WhatsUp Gold
- HP OpenView
- MRTG
- Computer Associates Unicenter TNG

Support and Warranty

- **1 year Limited Warranty, Optional 2 Year Warranty.**
- **Unlimited Lifetime Support.**
- **Free Firmware Updates**
- **Full, Easy to Follow Documentation.**

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.