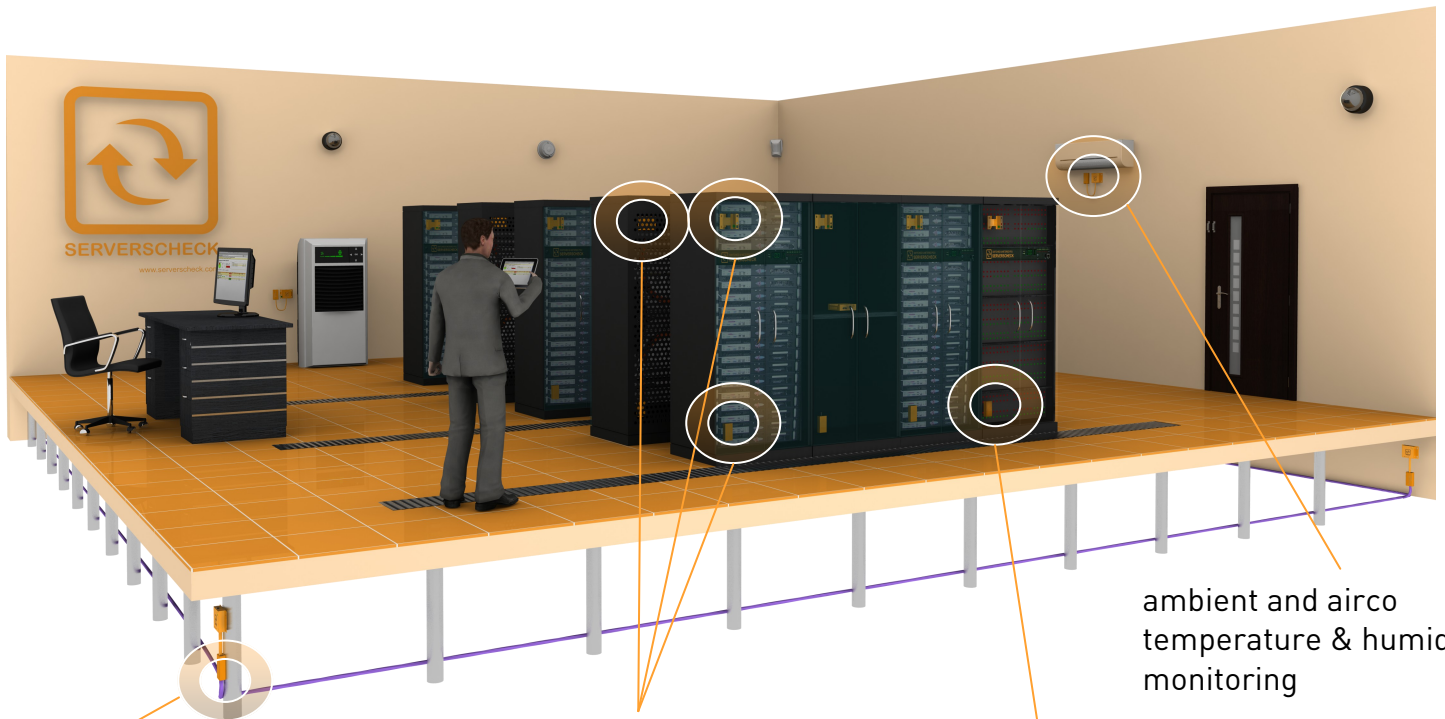


PoE & SNMP Environmental Sensors

for monitoring racks, server rooms and data centers



water & flooding detection
under raised floors

monitor rack's temperature
(front & back) and airflow

mains power failure
detection and vibration

ambient and airco
temperature & humidity
monitoring

Sensors Features



The sensors can monitor temperature, humidity, power failure, airflow and water. They are typically deployed inside racks, server rooms or equipment rooms. Using the PoE feature, sensors can both operate in AC and DC environments. With the built-in SNMP agent the sensors can be integrated with any

Network Management System to monitor the environment in which systems operate. The sensors can automatically generate alerts via email or SNMP traps. All sensors also feature a built-in web server allowing for remote monitoring of the sensor's current readings. The industrial design makes it suitable not just for server rooms but also for technical equipment rooms.



Technical Specifications

SNMP & PoE SensorGateway	
Environment	Operating temperature range: -10°C to +75°C (14°F to +167°F) in PoE mode Operating humidity range: < 90% rH (non-condensating)
Housing	Material: Steel / 0U Rack mountable Dimensions: 70 mm (2.7") x 88 mm (3.4") x 22 mm (0.8") Orange frame with two LED status indicators
Built-in Temperature Probe	Non calibrated Resolution: 0.1°C / 0.18°F precision Accuracy: +/- 0.5°C (+/- 0.9 °F) over -10°C to +75°C / 14°F to 167°F Readings in Celsius or Fahrenheit
Probe Connectivity	Sensor to Sensor Gateway Cable: 1meter - 3ft cable included from sensor to Sensor Gateway
SNMP	SNMP v1 and v2 - MIB available for download from website
Alerting	Email (SMTP protocol) & SNMP v2 Traps
Interface	Built-in web server compatible with IE7+, FireFox3+, Safari, Chrome and iOS devices
Network	10/100 Base T Default IP address is 192.168.11.160 and can be set to other fixed IP or DHCP
Power	PoE: IEEE 802.3af Optional Power Adapter Style: EU, UK or US Optional Power Adapter Specs: 12 VDC/0.5A, switching, 3.5mm connector
Certification	TÜV-Nord Certified. CE Class B (Industrial). FCC.
Calibration	Temperature (built-in & probe) and humidity can be calibrated through SensorGateway

External Probes	
Housing	Material: injection molded ABS thermoplastic Dimensions: 80 mm (3.1") x 40 mm (1.6") x 20 mm (0.8") Colour: light gray
Temperature sensor	Calibrated Resolution: 0.1°C / 0.18°F precision Accuracy: +/- 0.5°C (+/- 0.9 °F) over -10°C to +75°C / 14°F to 167°F
Humidity sensor	Measurement Range: 0 to 100 % RH Resolution or precision: 0.1 % RH and 1 % RH Accuracy: +/- 2 % RH between 10 % RH to 90 % RH and +/- 4 % RH below 10 % RH and above 90 % RH Long Term Stability: < 1 % RH/year
Power failure	Boolean reading - power on/off Power adapter included to be placed before UPS to check main power availability
Water detection	Boolean reading - water detected true or false 6m / 20ft purple water sensitive cable triggering reading where water touches cable
Airflow sensor	Boolean reading - airflow present or not Sensitivity can be calibrated through interface of SensorGateway
Shock sensor	Boolean reading - shock detected or not Sensitivity can be calibrated through interface of SensorGateway