

# Environmental Sensors

## Highlights

- Affordable
- Small size
- IP Based (Ethernet)
- 4 types: temperature, temperature+humidity, power failure and flooding
- Multi-site sensors deployment with centralized monitoring

**ServersCheck Monitoring Software to manage, report and alert sensors or to integrate with other NMS systems**

- Web & SMS based software
- Runs on Windows XP/2000/2003/2008 or also available as a standalone appliance
- Available in 38 languages
- Software can send SNMP Traps to other Network Management Systems

### Alerting Options

- Email
- SMS
- Voice telephone calls
- Signal Light Tower
- SNMP Traps to other NMS
- MSN
- Execute batch file
- Team based alerting
- Alert escalation



## ServersCheck Environmental Sensors

Administrators monitor all different aspects of servers' performance and availability through software similar to ServersCheck's Monitoring Software. However the conditions in which servers operate are not monitored. Why wait until a server starts melting before discovering a climate control issue? The bottom line is you have to monitor the entire server room.

And that's where environmental sensors come in. Sensors provided by ServersCheck not only monitor temperature, but surpass conventional standards by also monitoring the effects of humidity, possible flood risk, power outage, and imminent disaster risk. Through this, datacenters and secure holding rooms have an additional level of security, capable of not only helping to solve an issue before it becomes too great, but also alerts staff to the problem. Thus, when ServersCheck Monitoring Software receives a sensor reading of a potential contingency, then it sends messages based on the preference of the owner, such as SMS (cell phone) or email alerts. Quick communication is the goal of our complete monitoring solution, to prevent and protect against permanent damage.

The sensors are IP (Ethernet) based.



**SERVERSCHECK**

[www.serverscheck.com](http://www.serverscheck.com)

# Environmental Sensors

Sensors can be deployed in multiple locations while being managed and monitored from one single location. As communication to the sensors is TCP/IP based, they can even be located in different regions of the world.

The ServersCheck Monitoring Software is required to manage, report and alert on sensor values.

Do you have your own NMS platform? The Servers Check Monitoring Software will then act as a middleware between sensors and your NMS platform.



*Ethernet Based Temperature+Humidity Sensor*

## ServersCheck Environmental Sensors - Technical Specifications

### GENERAL

- IP based sensor: each sensor has its own IP address
- Shipped with a 20ft/6m cable from sensor to Ethernet port adapter as shown in above picture
- EU, UK & US style power adapter
- Requires Windows 2000/XP/2003/2008 or Servers-Check Monitoring Appliance to operate
- Dimensions: 8 cm (3.1") x 4 cm (1.6") x 2 cm (0.8")
- 2 year limited warranty

### TEMPERATURE SENSOR

- Operating Range: -40 °C to +60 °C (-40 °F to +140 °F)
- Precision: 0.5 °C or 0.1 °C
- Accuracy: +/- 0.5 °C over 0 °C to +70 °C, +/- 1 °C over remainder of temperature range
- Humidity: < 90% RH (non-condensating)

### TEMPERATURE+HUMIDITY SENSOR

- For temperature same specifications as above
- Relative Humidity (rH) Precision: 0.1 % rH and 1 % rH
- rH Accuracy: +/- 2 % rH between 10 % rH to 90 % rH and +/- 4 % rH below 10 % rH and above 90 % rH
- Relative Humidity Long Term Stability: < 1 % rH/year

### POWER SENSOR

- Returns boolean result: power available or not
- Requires additional power adapter (shipped with product)

### FLOODING SENSOR

- Returns boolean result: WET or DRY condition
- 20ft/6m water sensitive purple cable

