

# SENSOR MONITORING

## What is sensor monitoring in the eAuditor system?

The function enables real-time monitoring and alerting of incidents occurring, related to the technical condition of the organization's key equipment.

## WHY USE THE MONITORING FUNCTION SENSORS?

- ✓ Automatic notifications when sensor values are exceeded,
- ✓ freedom to define your parameters,
- ✓ constant monitoring of the state of the server room,
- ✓ high level of data transmission security,
- ✓ easy access to historical values in the database,
- ✓ access to the location of devices from any place.

## HIGH-QUALITY MONITORING EQUIPMENT

Ensuring a high level of security in the state of the server room requires the use of proven equipment. During the conversation, our consultants will help you select the best type of sensors, sensors, and monitoring devices.

## DETECT EXCESSIVELY HIGH LIQUID LEVELS WITH A WATER SENSOR

The most common cause of failure of electrical equipment in water is corrosion. Damage caused in this way is costly and difficult to repair, so it is worthwhile to properly and effectively protect against it. Water sensors, in the form of two-state instruments, react immediately and detect the leak, minimizing the risk and financial losses.

## CONTROL THE TEMPERATURE IN THE SERVER ROOM

Use the temperature sensor to control the air conditioner in the server room. The sensor, with high sensitivity, indicates the actual temperature measurement. If the temperature is too high, it can lead to overheating and damage to key components or even fire. Too low a temperature unnecessarily increases the electricity demand. Precise reading of sensor values helps protect the server room. The optimal temperature is in the range of 15°C-30°C.

## READ WATER VAPOR CONCENTRATION WITH A HUMIDITY SENSOR

Use the humidity sensor to read and control the level of water vapor concentration in the server room. The recommended humidity level in a server room ranges from 45 %RH - 60 %RH, exceeding it can result in damage to electrical equipment. The system indicates the ratio of the mass of water vapor in a given volume to the mass of vapor that saturates that volume at a given temperature, thus indicating the humidity level accurately.

## MEASURE THE INTENSITY OF LIGHT, THANKS TO A SMART SENSOR

With the light sensor, you can accurately measure the light intensity in any room. High-quality components and visual sensitivity allow you to measure light intensity in a wide range between 0 lx and 65,535 lx. The light sensor finds application in detecting the presence of people in a server room.

## MONITOR THE CURRENT IN THE SERVER ROOM

With the current sensor, you can measure current with high precision, without having to split wires. The current sensor gives you a comprehensive view of what is happening in the server room, helping you determine the power consumed by the server.

## CONTROL ELECTRICAL VOLTAGE

The electrical voltage sensor allows you to accurately measure the voltage at the terminals of the equipment. The sensor is characterized by high measurement accuracy. It is widely used in monitoring the variance of electrical voltage in a server room.

## QUICKLY AND ACCURATELY MEASURE ELECTRICAL POWER

Electrical power sensors are designed to provide fast and accurate measurements of a server's electrical power. With an electrical power sensor, you can accurately determine the electrical power of equipment in a server room.

## SERVER ROOM ACCESS IS UNDER CONTROL

A contact sensor is a precise tool with which you can monitor the opening and closing of doors in the server room. The magnetic sensor allows you to react immediately, thus affecting a higher level of security.

## DETECT THE THREAT OF GAS LEAKAGE

The gas leak sensor is an innovative tool that allows the detection of flammable gases (natural gas, coal gas, propane, acetylene, hydrogen, etc.). The sensor offers high sensitivity and stable operation. It has to signal optical and acoustic, and allows two possible types of response according to the gas concentration.

## MONITOR YOUR PRESENCE IN THE SERVER ROOM WITH THE MOTION SENSOR

The motion sensor detects the presence of people moving in the server room area with high accuracy. It has high sensitivity and resistance to false alarms. With the help of PIR technology, the sensor is widely used in ensuring the security of the server room.

## CONTROL THE SMOKE CONDITION IN THE SERVER ROOM

With the help of a high-quality smoke sensor, you can monitor the smoke condition in the server room. The sensor smoke sensor is equipped with an optical chamber, so it can detect the smoke level more effectively. In the event of smoke is detected by the smoke sensor, a relay is activated, issuing an audible and optical signal.

## MAINTAIN ADEQUATE AIRFLOW IN THE SERVER ROOM

The airflow sensor detects airflow below or above a certain threshold between 1 and 10 m/s. The sensor is a proven solution for maintaining proper air conditioning operation in server rooms.