



SIMPLE ENERGY AND CONDITION MONITORING VIA WEB INTERFACE

SENTRON Powercenter 3000 – the plug & operate solution for power and condition monitoring

Heating, air-conditioning, lighting, ventilators – do you ever know how much power you're consuming at any specific time, or in any specific location? Many operators of buildings and industrial plants often find there is no ideal way to launch into operational energy monitoring. Yet this is essential for managing energy demand and associated costs, and for meeting relevant energy efficiency regulations.

[siemens.com/sentron-powercenter3000](https://www.siemens.com/sentron-powercenter3000)

Your central switchgear-communications interface

This is where the SENTRON Powercenter 3000 comes in – our simple and intuitive plug & operate solution. The compact device with pre-installed and ready-to-use software fits into any control cabinet. Energy data is captured from communication-capable devices from our SENTRON portfolio and third-party providers, transmitted via Modbus TCP to SENTRON Powercenter 3000, and processed there. You get a clear overview of energy consumption and status information via the integrated web interface using any browser-enabled device within your local corporate network. Additionally, the data can be forwarded to Siemens Xcelerator, e.g. ELX and BX, or to third-party cloud platforms via MQTT.

Highlights

- **Cost-efficient entry** into energy management in accordance with DIN ISO 50001
- **Clear presentation of power values**, and also condition and status information
- **Transparency regarding energy consumption** helps you improve your energy efficiency
- **Secure operation** thanks to alarm and messaging function, for example, as well as Achilles Level II certification for system integrity
- **Condition monitoring** ensures high plant availability to add devices
- **Easy commissioning** thanks, for example, to an integrated web interface, predefined widgets, and a network scan for adding devices
- **Plug & operate** ready-to-use software with intuitive, nearly training-free usability
- **TÜV certification** as a verified energy data management system for ISO 50001

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One software solution, many applications

SENTRON Powercenter 3000 enables simple energy and condition monitoring via web interface through the local corporate network or optionally via connection to Siemens Xcelerator, e.g. ELX and BX, or cloud-based solutions from third-party providers.



Commercial real estate and retail



Hospitals



Data centers



Campus



Food and beverage industry



Pharmaceutical industry and life sciences



Chemical industry



Automotive manufacturing

Additionally:

- Office buildings
- Residential buildings
- Hotels
- Mechanical engineering
- Airports
- Ports & marine
- Water management
- Bakeries
- Craft businesses
- ...



Efficiency through transparency

You can only take steps to improve your energy consumption when you know how much power is being consumed, and where. With SENTRON Powercenter 3000, freely configurable dashboards and predefined, exportable energy reports make it possible not only to identify energy wasters and uncover hidden savings potential: they also meet the requirements for demonstrating continuous improvement in energy efficiency in accordance with ISO 50001 and ISO 50003, thereby creating the basis for funding your energy management system and supporting energy audits in accordance with DIN EN 16247-1.



Availability through predictive maintenance

The measuring and communication-capable SENTRON protection devices are integrated into SENTRON Powercenter 3000. This gives you access to data such as status, cause of trip, temperature, or operating hours. This way, you are always informed about the health status of the protection and switching devices, can identify fault sources and malfunctions more quickly, and plan maintenance more effectively to reduce downtime.



Safety through reliability

Only a reliable energy supply ensures smooth operation. With SENTRON Powercenter 3000, potential failures can be detected early and thus avoided. To this end, SENTRON Powercenter 3000 provides signaling via its web interface and by email. Whether it's an information notice, warning, or alarm – you will be notified as needed and can initiate appropriate actions.

Discover additional information under the following links:

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