

Festo Dashboards – condition monitoring in the cloud

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Highlights

- Simple operator panel for precise error detection and fast response
- Time-saving: no need for programming
- E-mail notifications
- Data export for third-party systems

Festo Dashboards provides you with process transparency and status information over the entire lifecycle of your system. You can see at a glance the asset data, specific information for preventive maintenance, diagnostic functions and errors in plain text. This makes process data analysis and troubleshooting easier. Try it now!

Everything at a glance

The dashboards for the valve terminal CPX/MPA and the intelligent service unit MSE6-E2M give you access to core information from your machines, production stations and connected pneumatic consumers. The cloud architecture enables existing systems to be upgraded at a later date. The central access via the web application allows data to be retrieved from anywhere and at any time. At the same time, communication is carried out over secure data protocols.

Extremely effective from the mechanical system through to the cloud: automation solutions from Festo

Take advantage of digital automation with devices from Festo that can be linked to the Festo Cloud via the CPX-IO gateway. Being able to visualise and transmit data quickly via the apps in the cloud and in the dashboard makes you as a machine builder or end user more productive.

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Two examples:



Dashboards for the energy efficiency module MSE6-E2M

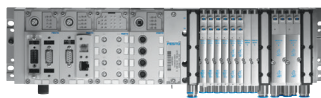
Energy savings at the touch of a button with MSE6-E2M

MSE6-E2M automates energy saving in compressed air systems. The intelligent module fully automatically monitors and regulates the compressed air supply in new and existing systems. The preconfigured, ready-to-install dashboard with specific widgets and graphs for energy monitoring shows you immediately what the energy status is and how you can achieve CO₂ savings. The continuous data gathering is the perfect preparation for the next energy audit!

- Compressed air monitoring
- Faster diagnostics thanks to error display in the dashboard
- Process control (leakage detection)
- Setting limit values and notifications via e-mail
- Access to historical data going back a year
- Preconfigured and ready to start without the need for programming
- No additional software
- Cloud-based web application for fast and efficient analysis of long-term measured values
- Transparency of the power consumption of a system

These are the advantages

- Energy consumption control (pressure and flow rate)
- Auto shut-off
- Process control (leakage detection)



Always have an eye on the status! The dashboard for CPX-MPA

In the future, you will be able to plan even more precisely. Festo Dashboards and our CPX-MPA allow you to detect irregularities early on and take the right measures before a failure occurs. Dashboards are the out-of-the-box solution for visualising the status of components in the cloud and the operational part of the digital twin.

- CPX/MPA – condition monitoring
- Precise error detection, fast response
- Huge time savings: no need for programming
- Notifications via e-mail
- Support for over 60 modules

Summary

The most important functions of our dashboards

- Preconfigured and ready to install
- Simplified fault finding/process data analysis with data history going back one year
- Diagnostic information/remote error diagnostics
- Data for preventive maintenance
- Asset data
- Process KPIs
- Notification function in the event of definable limit values being exceeded or not reached
- Data export to third-party systems as CSV

The following data types are available

- Asset data:
- Diagnostic data
 - Process data (I/Os)
 - Parameter data
 - Smart data such as switching cycle counter
- Optional information:
- Lifecycle information
 - Switching cycle counter per valve
 - Visualisation of analogue values of the connected sensors