



Condition monitoring with SIMATIC S7-1200

SIPLUS CMS1200: for early detection of mechanical damage

Whether it is caused to motors, generators, pumps or fans, mechanical damage can have serious consequences – and must therefore be detected as early as possible. That is exactly what the SIPLUS CMS1200 is designed for. This SIMATIC S7-1200 condition monitoring system is able to continually check up on the state of the mechanical components. In this way, it creates the basis for predictive maintenance. Users can respond promptly to impending damage and avoid the costly consequences that may include total failure. SIPLUS CMS1200 therefore makes a crucial contribution toward greater plant availability.

As many as 28 vibration sensors can be connected for each SIMATIC S7-1200 CPU. The recorded data is analyzed by the internal software of the CMS1200 and stored on the SM 1281 condition monitoring module.

The benefits for you at a glance

Condition monitoring with SIMATIC S7-1200

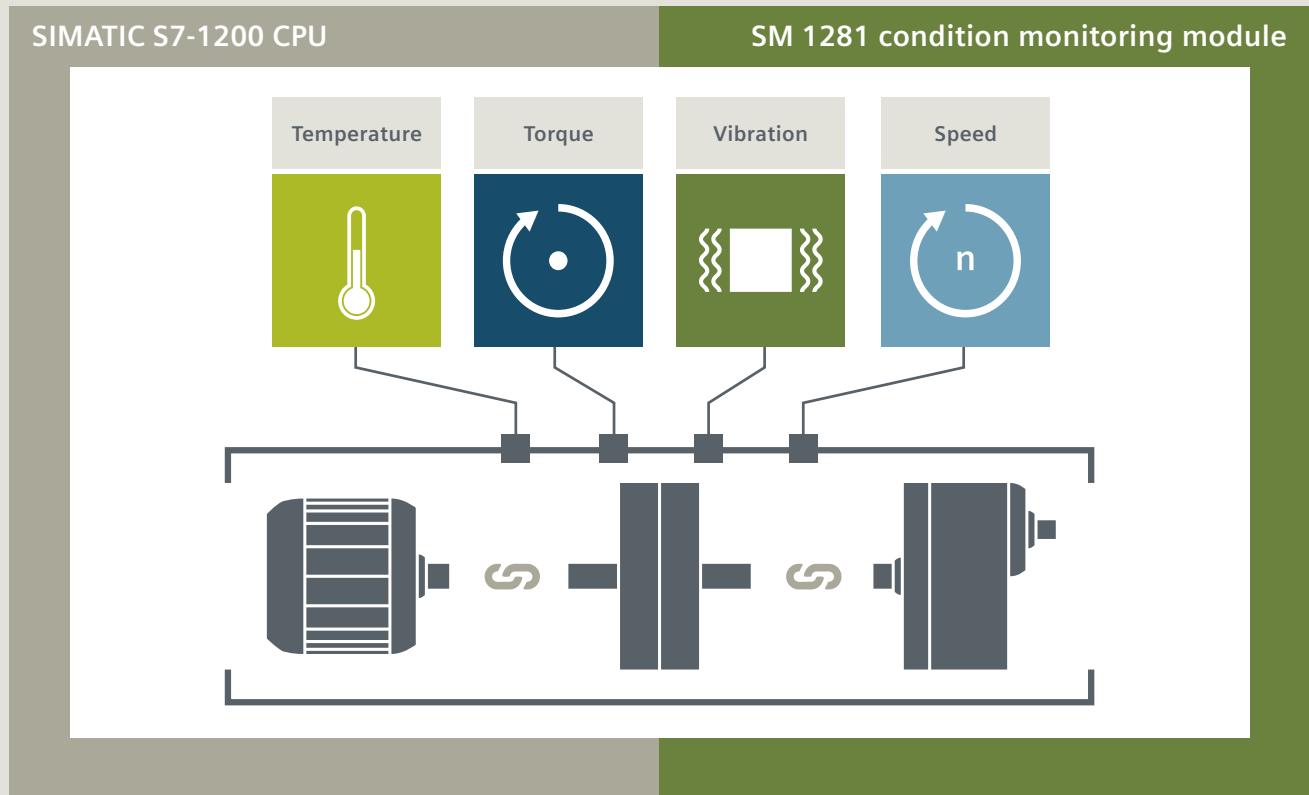
- Easy integration of the condition monitoring of mechanical components into the SIMATIC S7-1200 automation
- Early detection of mechanical damage
- Planned maintenance instead of spontaneous repair

SIPLUS CMS1200 with SM 1281 condition monitoring module

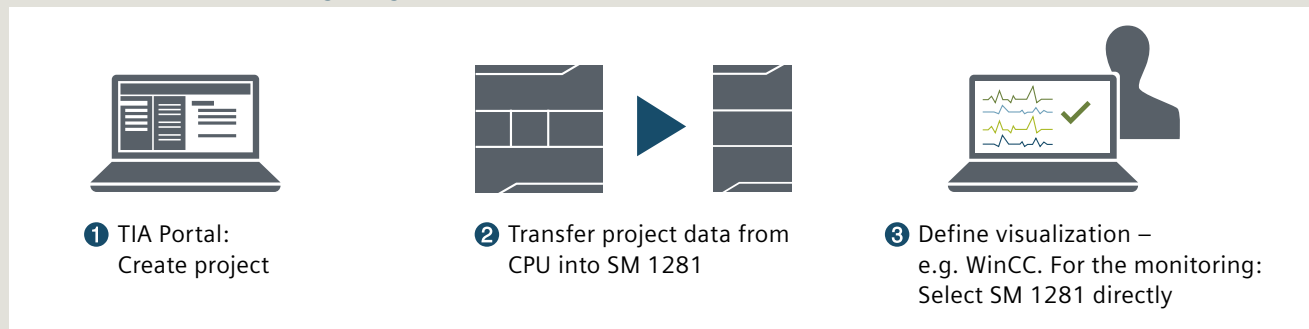
- Software for parameter-based and frequency-selective onboard analysis
- Easy archiving of the data in the system's own memory (800 MB)
- Further analysis options by means of raw data
- Connection options:
 - 4 IEPE vibration-acceleration sensors per SM 1281
 - 1 rotary speed sensor per SM
 - Up to seven SM 1281 modules per S7-1200 CPU

A new level of condition monitoring

What can be monitored?



How is condition monitoring integrated into the SIMATIC S7-1200?



What happens to the recorded data?

- Parameter-based or frequency-selective analysis
- Trend analysis
- Limit value monitoring of frequency bands
- Simple localization of damage using fingerprint comparison
- Extraction of raw data for further diagnoses
- Recording with time stamp of trend values, raw data, frequency spectra and alarms

Order now to ensure availability!

SIPLUS CMS1200 SM 1281 Condition Monitoring:
Article No.: 6AT8007-1AA10-0AA0

SIMATIC S7-1200: CPU 1212C or higher
You can find more information on SIMATIC S7-1200 on the Internet at: siemens.com/s7-1200