PROCESS INSTRUMENTATION

SITRANS SCM IQ

Smart Condition Monitoring
with IIoT Sensors

usa.siemens.com/scmiq

SIEMENS

Smart Condition Monitoring
for Your Machinery

How to Prevent Downtime – Before It Occurs

By knowing the condition of the mechanical assets in your process plant at all times, you can more quickly identify imminent device failures and better plan your maintenance activities. That's precisely what makes our IIoT solution for smart condition monitoring – SITRANS SCM IQ – so valuable.

Securely from the Sensor to the Cloud
The entire data transfer process from the SITRANS MS200 multisensors is protected and secure. The data is transmitted using a Bluetooth® connection to the SITRANS CC220 Cloud gateway where it is encrypted and transferred to Insights Hub. Insights Hub, is the industrial IoT application suite from Siemens.

IIoT Starts at the Field Level
SITRANS SCM IQ utilizes SITRANS MS200 (IIoT) multisensors. SITRANS MS200's are easy to install on mechanical plant assets such as pumps, gearboxes, and compressors, where they gather important information on vibrations and temperature. This data is then analyzed by SITRANS SCM IQ using artificial intelligence (AI).

Condition Information at Any Time
Using the SITRANS SCM IQ mobile web application, the user is notified of anomalies, i.e. deviations from the normal operating status, at an early stage and can react before a failure of machinery occurs unexpectedly. At all times the customer knows about the status of the monitored machines by using the SITRANS SCM IQ app.

Insights Hub

SITRANS MS200

· Compact, robust industrial design with IP69 (NEMA 6P) environmental protection

· Easy installation and setup – no wiring thanks to Bluetooth® communication

· Long service life: using replaceable 3.6 V industrial batteries

SITRANS CC220 (Cloud Connect)

· The Cloud gateway provides secure, encrypted communication between SITRANS MS200 and Insights Hub

· Industry-standard control panel installation with extendable external Bluetooth® antenna

· High sampling rate and reliable data transmission

SITRANS SCM IQ App

· Anomaly detection based on machine learning, which can be used for a wide variety of assets

· Detailed monitoring and presentation of sensor values and diagnostic data

· Configurable notifications with user-definable groups

· Administration and documentation of anomalies and machine outages for immediate distribution within your team

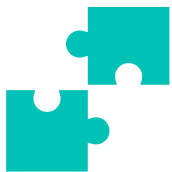**SITRANS MS200 Multisensor**

Benefits at a Glance

Low investment and operating costs

Easy installation and fast commissioning

Increased plant performance by avoiding unplanned downtime

Secure, open ecosystem; quickly adaptable to new business challenges (not a stand-alone solution)

Optimized, event-driven maintenance management

System scalability from very small installations to extensive plant monitoring

Measuring everything that matters:

usa.siemens.com/pi

Siemens Process Instrumentation offers best-in-class measurement and seamless integration into your automation system. We are the total solution provider for flow, level, pressure, temperature, weighing, positioners and more.