



Continuously monitoring the machine's condition

FAG SmartCheck starter kit

The condition monitoring of machines and equipment facilitates the optimization of production and serves as a means of preventing unplanned downtimes with high subsequent costs. The FAG SmartCheck starter kit is a great way to get started in condition monitoring. The intelligent online measuring system is especially suitable for users who would like to integrate and visualize value-adding sensor technology into the local IT infrastructure.

- For equipment manufacturers, system integrators, service teams, and machine operators
- Compact solution package with all the necessary accessories for getting started in the field of vibration-based condition monitoring
- Provides the information required for the superordinate levels of the data pyramid for projects related to Industry 4.0
- No vibration-based expert knowledge is required for initial operation
- Access to Schaeffler's global network of condition monitoring specialists, from initial consultation through to written recommendations containing recommended actions



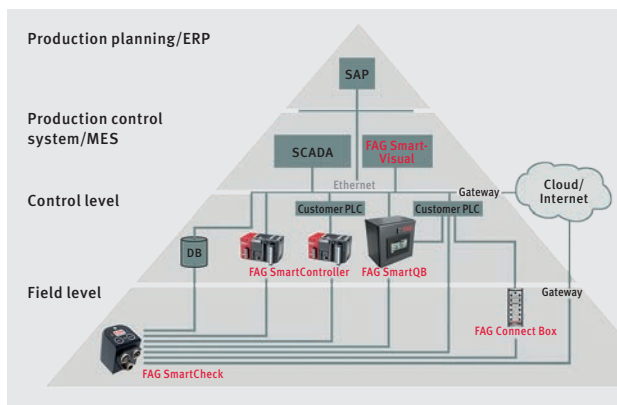
FAG SmartCheck in use on a pump



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Data analysis with FAG SmartWeb



Integration of the FAG SmartCheck into the process landscape

Typical areas of application for the FAG SmartCheck

- Engines, hydraulic pumps, fans
- Geared motors, compressors, vacuum pumps
- Gearboxes, centrifuges, vibrating screens, cable cars
- Spindles and machine tools

Technical details

- Continuous monitoring (24/7): Vibration and temperature
- For machines with permanent and variable operating points
- Suitable for flexible expansion and for condition monitoring beginners as device is preconfigured
- Automatic adjustment of alarm thresholds due to an independent learning mode (Plug-and-Play option)
- Parameters differentiate between possible error sources (e.g. rolling bearings, gear teeth, imbalance, cavitation, ...)
- Simple integration into the control system and enterprise-process landscape (analog, digital, Ethernet)
- Access to several years of historical data (incl. time signals for expert analysis)
- An entire service from one source: Consultation, initial operation, remote service, maintenance contracts, and training courses
- Measuring tasks freely definable
- One sensor can monitor up to 15 components

FAG SmartCheck starter kit

- 075515814-0000-10 FAG SmartCheck basic starter kit
- 1 × FAG SmartCheck with starter configuration
 - 1 × Ethernet cable for SmartCheck, 10 m
 - 1 × Input and output cable for SmartCheck, 10 m
 - 1 × Power cable for SmartCheck, 10 m
 - 1 × Mains adapter with M12 connector for 110 – 230V
 - 1 × “Getting started” instructions

Additional components and optional services

Software

- 075514389-0000-10 Full version of FAG SmartUtility (e.g. for the detailed diagnosis and analysis of measured data for creating customer reports)

Services

- 081622201-0000 FAG SmartCheck starter kit service for end customers
- 081622368-0000 FAG SmartCheck starter kit service for OEM/OES
- 076244121-0000 Creating a component-specific monitoring configuration
- 076244989-0000 Troubleshooting service
- 076244679-0000 Service for creating reports

Training

- TR.CM.ISO.CAT1 Training DIN ISO 18436-2 Category 1
- TR.CM.ISO.CAT2 Training DIN ISO 18436-2 Category 2