

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 Starter Kit



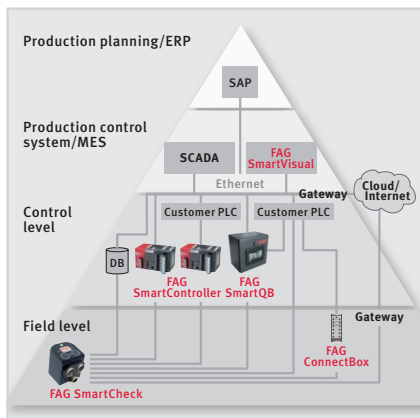
FAG SmartCheck in use on a pump



FAG SmartCheck Starter Kit



Data analysis with FAG SmartWeb



Integration of the FAG SmartCheck into the process landscape

Schaeffler will assist you as required using its global network of experts.

Please feel free to contact us.

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)
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Service

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