VIBGUARD®
Advanced Condition Monitoring

- fast
- synchronous
- reliable
PRUFTECHNIK values safety! VIBGUARD® is a Condition Monitoring System that protects your machines from damage, provides production security, and improves the efficiency of your assets.

The facts about VIBGUARD®

- 20 synchronous measurement channels
- Continuous data recording on every channel
- Tachometer pulse channels for triggered measurements
- Continuous automatic check for sensor and cable defects
- Digital inputs and outputs
- Networkable (Ethernet, Modbus TCP)
- Compact and robust
- No active cooling required
- Transient event capturing
- Shock Pulse and Crest Factor for advanced bearing and gearbox monitoring

Intelligent data management

Every channel is able to measure continuously two time wave forms and in addition up to 8 overall values, such as vibration severity and bearing condition. The 20 measurement channels supply sufficient data every day for seamless documentation of the machine status. Intelligent data management ensures all important data is recorded and only relevant information is reported.

Practical installation help

The terminal diagram shows the assignment of sensors and cables for the specific connection. A valuable reference during preparation for installation or for documentation.
VIBGUARD® – monitoring at top level
especially developed for your critical machines

VIBGUARD® – a new level of Online Condition Monitoring that allows critical machines, with highly dynamic processes and complex monitoring tasks, to be included in a reliability-oriented maintenance schedule.

VIBGUARD® is ...

... fast
Powerful processors, optimized measurement routines and intelligent data management place VIBGUARD® in the formula-1 class of online systems.

... synchronous
VIBGUARD® measures continuously and simultaneously on up to 20 channels. This allows it to monitor even complex machines with many variable operating parameters.

... safe
VIBGUARD® protects your systems from sudden failure by seamless recording and evaluation of all status parameters.

... autonomous
Data recording, evaluation and alarming are all included in the VIBGUARD® module.

... versatile
VIBGUARD® supports various kinds of sensors and transmitters to cover a wide variety of applications.

... flexible
The measurement channels can be configured to measure vibration and process values. The digital high and low pass filters can be set as required to derive the appropriate characteristic overall values.

VIBGUARD® module for installation in a switching cabinet on a standard rail
VIBGUARD® in the compact PRUFTECHNIK protective housing
VIBGUARD® in the standard PRUFTECHNIK protective housing
VIBGUARD® in a portable version for mobile troubleshooting. Please refer to the VIBGUARD® portable brochure for more details.
VIBGUARD® – part of the PRÜFTECHNIK strategy

OMNITREND® Center

With OMNITREND® Center, VIBGUARD® uses a modern, powerful and easy to use software platform for configuration and analysis of measurement data.

PRÜFTECHNIK delivers maintenance solutions worldwide

Laser measurement systems and services for optimum alignment of machines and systems.

Vibration measurement systems for machine condition monitoring – including services such as machinery fault diagnosis.

Systems and services for quality assurance and process control in production.

We offer professional services anywhere in the world to support our customers with alignment and condition monitoring.

www.pruftechnik.com

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