

Turning vibration data into knowledge

Get to the root of your machine problems with VIBGUARD Viewer 1.1

ISMANING – January 23rd 2014 – VIBGUARD Viewer, the software platform for the VIBGUARD family of online condition monitoring systems by PRÜFTECHNIK, now comes fully geared for complex machine diagnosis. Introducing many powerful new features, VIBGUARD Viewer 1.1, the new software update helps unveil your machinery's most hidden secrets. Orbit Analysis enables determining the root-cause of atypical shaft orbit movements, for example on turbomachinery and reciprocating compressors. By simply connecting a VIBGUARD to an existing real-time protection system, VIBGUARD Viewer processes the readings from the already installed displacement sensors into useful information to diagnose the exact cause of a problem.

With the full Modbus (TCP/ RTU) Support, VIBGUARD can be seamlessly integrated into your production processes. Signals from VIBGUARD can easily flow to the PLC, and process parameters monitored by the PLC can travel to VIBGUARD for in-depth analysis and diagnosis. Combining machine parameters such as temperature, RPM or torque with vibration data, this full bidirectional communication not only gives you the big picture of your machines, but you can also access more complex analysis when a problem arises. The optional feature Event Recording serves as your machinery's black box. When an alarm is triggered, VIBGUARD records all relevant data, even the signals before the alarm occurred. Up to 22 channels – including key phasors – are written into a FIFO memory. Pre and post-trigger duration as well as the sampling rate can be configured. This way, VIBGUARD collects useful historical information to help identify the cause of an event and take the corresponding corrective actions. Perfect for catching transient events and understanding why they happened, this feature is the ideal tool for monitoring and evaluating production-critical parameters like, for example, torque in the drive trains of cement mills or vessels.

VIBGUARD Viewer 1.1 is available through your local PRÜFTECHNIK partner. Standard features are included free of charge. Please contact us for more information.

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Graphic material:

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VIBGUARD-Viewer_SoftwareUpdate_lowres.jpg

About PRÜFTECHNIK:

The PRÜFTECHNIK group, with subsidiaries and partners in more than 70 countries worldwide, is continuing to set new standards with innovative technical developments in the sectors of laser alignment and vibration measurement technology to maximize and optimize machine and plant availability.

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