



"The point is not having to spend time performing manual measurements as long as machine condition is normal. The idea is that machines should not have to be stopped other than for planned maintenance. We were looking to find a straightforward and reliable technology to have the machine itself tell us if something isn't right. With a well-functioning and reliable vibration monitoring unit in place, we can save a lot of man-hours by not routinely performing route-based measurement but measure only when it's called for," says Anders Ramström, maintenance engineer at Scania Industrial Maintenance which has participated in the development of Intellinova® Parallel MB.

SPM Instrument launches Intellinova® Parallel MB

SPM Instrument, Sweden, leading worldwide provider of condition monitoring technology and products, now announces the launch of Intellinova® Parallel MB, a new unit in the Intellinova product range for continuous monitoring of rotating machinery. With parallel-processing capability, Intellinova® Parallel MB is a highly efficient monitoring solution for a broad range of industrial applications.

Intellinova® Parallel MB is a small and robust unit for parallel condition measurement on four channels. With online or offline capabilities, this compact-size unit supports all vibration and shock pulse techniques, including the high definition technologies HD ENV® and SPM HD® for superior vibration, lubrication and shock pulse monitoring, providing immediate condition evaluation.

High-performance characteristics and easy configuration

Intellinova® Parallel MB delivers advanced vibration analysis and shock pulse monitoring in a small, high-performance package. Careful hardware design and component selection ensures exceptional response time and high-efficiency data acquisition, making the system well suited for a wide variety of industrial applications. A typical example is a motor-fan or motor-pump combination.

The unit is easy to configure, using rotary switches on the front panel. In offline mode, the appropriate settings are selected from a large number of predefined setups stored in an internal configuration file. When operating online, the measurement setup is configured via the Modbus master. To ensure that no critical events go unnoticed, the unit can be set up to repeat its configured measurements as often as possible. Intellinova® Parallel MB boasts advanced and flexible alarm features, enabling immediate and reliable notice of changes in machine operating condition.

Ideal for operator-based maintenance

For facilities implementing operator-based maintenance to optimize plant reliability, Intellinova® Parallel MB is an excellent candidate for first-line condition monitoring. Run as an offline unit, Intellinova® Parallel MB can be connected for example to an alarm light, siren, circuit breaker or other external device, alerting for fault symptoms such as gear and bearing faults, unbalance, poor lubrication etc. In case of high readings, follow-up and further analysis can be done using a portable instrument on the unit's isolated signal output.

Trouble-free communication with process control systems

Intellinova® Parallel MB is also easily integrated into existing industrial automation systems via the widely supported Modbus RTU protocol, thus enabling troublefree communication of measuring results to PLCs, SCADA or other process control systems.

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