



Intellinova® Parallel EN

Intellinova® Parallel EN is a high-performance online system, perfectly suited for condition monitoring of industrial equipment with high availability demands.

Suitable for a wide range of applications

With parallel and synchronous condition measurement on up to sixteen channels, Intellinova Parallel EN is a perfect fit where measurement is time-critical due to short process cycles, e.g. rolling mills, railcar dumpers, press nips, winders, or lifting and hoisting equipment such as cranes or drop sections.

Implementing HD condition monitoring technologies, the system is the ideal choice for gearboxes - including planetary gears - and low speed applications (from below 0.1 RPM) such as agitators, crushers or conveyors. It is also suitable for more straightforward applications like motors, pumps and fans.

Intellinova Parallel EN can be run alongside its siblings in the Intellinova family of online systems in an integrated system, or as stand-alone units.

Supreme condition monitoring efficiency

Intellinova Parallel EN continuously monitors your critical equipment, capturing relevant events without delay. Sixteen synchronous channels for vibration and/or shock pulse measurement with the DuoTech accelerometer, and eight RPM channels can be used for data acquisition on machinery with complex drives, even under variable operating conditions.

The system tracks and manages changes in process and operating conditions, providing a reliable snapshot of equipment condition for entire machines. Measurement assignments can be set up to trigger individual channels or multiple system units in parallel and synchronously. The Condmaster diagnostic and analysis software offers user-defined filter settings, live spectrums and live views of the state of all connected devices.



Typical applications:

- Wind turbines
- Rolling mills
- Railcar dumpers
- Converters
- Agitators
- Crushers
- Conveyors
- Press nips
- Winders
- Cranes
- Drop sections

Powerful measuring techniques

Intellinova Parallel EN implements the most sophisticated and efficient technologies available for monitoring vibration, bearing condition and lubrication:

- HD ENV, high definition vibration enveloping
- SPM HD, high definition shock pulse monitoring
- SPM LR/HR HD, shock pulse measurement method
- Broadband vibration measurement according to ISO 2372 or ISO 10816
- FFT with machine fault symptom evaluation
- User defined measurements via analog inputs or OPC, e.g. pressure, flow, load etc.

Industrial versatility

This robust monitoring unit is designed to manage demanding industrial environments and complex operating conditions in all industries.

- Wireless solution
- Continuous event capturing
- Flexible measurement and alarm management
- Digital and RPM inputs for event-triggered measurements
- Status outputs for alarm indication
- OPC communication for import and export of process parameters

Characteristics	System unit	Cabinet	Rack
Dimensions*	400x250x40 mm (15.7 x 9.8 x 1.6 in)	500x600x210 mm (19.7 x 23.6 x 8.3 in)	482x132 (3U) x365mm (19 x 5.2 (3U) x 14.4 in)
Measuring channels**	16		
Analog inputs	4		
Digital inputs (RPM)	8		
Digital inputs / Digital outputs	4 / 4		

*) Also available in stainless steel enclosure, dimensions 600x600x210 mm (23.6x23.6x8.3 in)

***) Both vibration and shock pulse measurements can be performed using DuoTech accelerometers.