



Intellinova® Compact

Intellinova Compact Ex is a high performance online condition monitoring system, well suited for safe remote monitoring of industrial environments with measuring points in hazardous areas.

Wide area of industrial applications

Suitable for all types of applications, this leading-edge system offers the strongest combination of measuring techniques available, providing maximum flexibility for fault detection. Intended for mounting in Ex gas Zone 2 or Ex dust Zone 22, the system is complete with power supply and cable glands. Ex interfaces for transducers located in Ex gas Zones 0, 1 or 2 or Ex dust Zones 20, 21, 22 are ordered separately.

Industries such as oil and gas, offshore, petrochemical and sugar plants are a few examples where Intellinova Compact Ex is the ideal solution. Pumps, fans, gearboxes, and winches are typical applications.

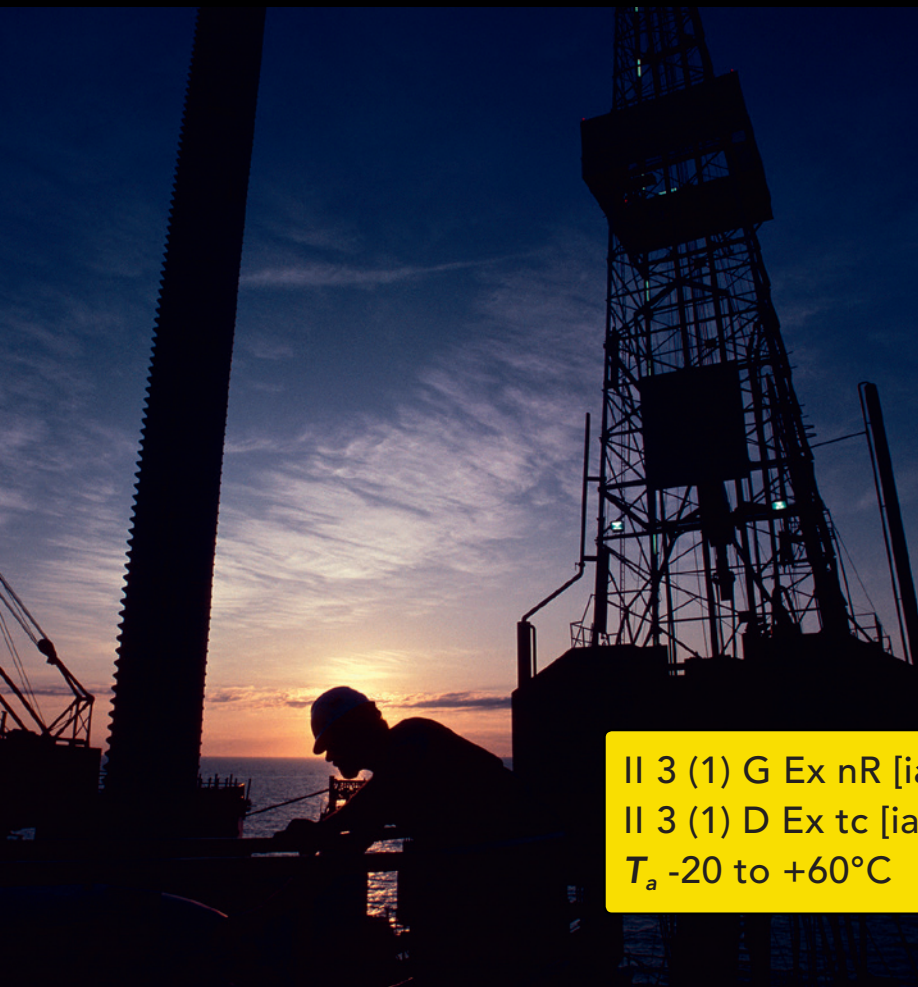
Intellinova Compact Ex is fully compatible with its siblings in the Intellinova family of online systems and can be run in an integrated system or as standalone units.

Condition monitoring the intelligent way

The system is available in four versions, each with a fixed channel configuration for both shock pulse and vibration measurement.

All versions come with multiple rpm and analog inputs as well as status outputs. Using the IntelliLogic functions, these hardware features can be taken full advantage of. Having the capability to accept process data and evaluate the running condition based on that information and on measurement data, the Intellinova units are well suited for condition monitoring machinery with complex operating procedures.

A wide range of options enables you to set up the system to measure only the right things and at the right time.



II 3 (1) G Ex nR [ia Ga] IIC T4 Gc
 II 3 (1) D Ex tc [ia Da] IIIC IP66, T85°C Dc
 T_a -20 to +60°C

ATEX, IECEx marking

Powerful measuring techniques

Intellinova Compact Ex 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

The system is designed to manage tough industrial environments and complex operating conditions in all industries.

- Condmaster, powerpacked software for overview and in-depth analysis, remote monitoring and support
- IntelliLogic, enabling flexible measurement and alarm management
- Digital and RPM inputs for situation-controlled measurements, and status outputs for alarm indication
- OPC communication for import and export of process parameters
- Wireless solution available

Characteristics	INS06 Ex	INS12 Ex	INS18 Ex	INS08V Ex
Stainless steel enclosure, dimensions	380x380x210mm	380x600x210mm	380x600x210mm	380x380x210mm
Measuring channels, shock pulse	4	8	12	—**
Measuring channels, vibration	2*	4*	6*	8*
Analog inputs	3	3	3	3
Digital inputs (RPM) / Digital outputs	2/3	3/3	3/3	3/3

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

**) The unit does not have any separate shock pulse channels, but see *)