



## Intellinova® Compact

Intellinova Compact is a high performance system, well suited for remote monitoring or industrial environments with measuring points in spread-out clusters.

### Areas of application

Wind turbines, pumping stations and auxiliary equipment are a few examples where Intellinova Compact is the ideal condition monitoring solution. Fans and gearboxes, including planetary gears, are typical applications. Implementing the SPM HD measuring technique, it is also the appropriate choice for low speed applications (1-50 rpm) such as agitators, crushers, conveyors or cranes, etc.

Intellinova Compact 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.

### Optimal cost efficiency

The system is available in three versions, each with a fixed channel configuration for shock pulse and vibration measurement. All versions come with multiple rpm and analog inputs as well as status outputs. Using the Intelli-Logic 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 monitoring machinery with complex operating procedures.



- Wind turbines
- Pumping stations
- Fans
- Gearboxes
- Planetary gears
- Agitators
- Crushers
- Conveyors
- Cranes

## Measuring techniques

Intellinova Compact implements state-of-the-art methods for shock pulse and vibration measurement.

- SPM HD, shock pulse measurement method with supreme signal-to-noise performance and very high resolution
- SPM LR/HR HD, shock pulse measurement method
- EVAM, advanced vibration measurement and analysis
- Broad band vibration measurement according to ISO 2372 or ISO 10816
- FFT with 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 environments and complex operating conditions in all industries.

- Wireless communication option, enabling remote monitoring, service and support
- IntelliLogic, enabling flexible measurement and alarm management
- Digital and rpm inputs for situation-controlled measurements
- Status outputs for alarm indication
- OPC communication for import and export of process parameters

| Characteristics                        | INS06                                | INS12                              | INS18                              | INS08V                             |
|----------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Enamelled steel enclosure, dimensions  | 300x300x155 mm<br>(11.8x11.8x6.1 in) | 380x300x155 mm<br>(15x11.8x6.1 in) | 380x300x155 mm<br>(15x11.8x6.1 in) | 380x300x155 mm<br>(15x11.8x6.1 in) |
| 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                              |