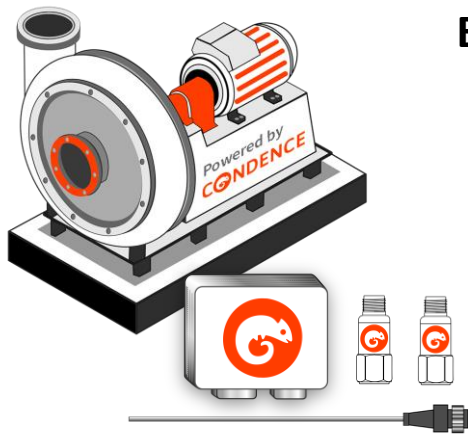


# CONDENCE

## Maximising Machine Health

### Pump monitoring Concept Example

Price 3393,- € + 35 €/Month



#### Easy start-kit, plug & play

##### Package includes

- 1x Condence T210 Smart Terminal
- 1x Power supply
- 4x IEPE Accelerometers
- 1x Cable harness with 5m cable
- RPM sensor

Default monitoring configurations and dashboards



##### High accuracy provides time to react

Enabling remote and detailed view and more insights will make it easier to manage assets remotely



##### Continuous & online

Enabling real time view to asset health. Once repair is needed decisions can be made at optimal time



##### Eliminating surprise

Better allocation of resource and focus. When manual tasks are automated, skilled employees can focus on more demanding tasks.



##### Enable condition based maintenance

Decisions and maintenance based on actual asset condition

- Know if the impeller gets damaged or the pump is clogging
- Know when you need to add lubricant to bearings
- Remove unnecessary manual work (inspection & repairs)
- Minimise human error via automatic alarms and data availability

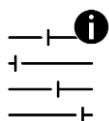
# CONDENCE

## Maximising Machine Health



### Monitoring concept includes

- Early bearing failure detection via enveloped acceleration
- Mechanical failures: Imbalance, misalignment and looseness
- Vane pass frequencies: Debris build up / gradual fouling & Impeller damage
- Running times, optimisation of asset use



#### No need for continuous monitoring

Use standard or custom suggestive severities and thresholds for them



#### Trigger events to drive actions

Notifications or work orders based on actual asset condition e.g. cleaning of blades or adding lubricant



#### Better reliability and operational efficiency

Less time spent on emergencies, manual inspections and unnecessary tasks

## Technical details

### 4x Vibration ICP / IEPE

- 24-bit simultaneous AD conversion
- Signal analyses between 1Hz - 24kHz
- RAW data sampling rate 48kHz

### 8x Configurable mA and V inputs

- DIP Switch select on board
- Voltage ranges 0 ... 10 V or 0 ... 60 V
- Current range 0 ... 25 mA
- 12-bit AD conversion

### 3x PT-100 / PT-1000

- Temperature range from -200 to +850 °C
- Accuracy in the range of 1° Celsius

