

# CycloSMART®

SMART POWER. SIMPLE CONTROL.

The CycloSmart® is a vibration monitoring system that provides predictive maintenance by notifying customers—via local ethernet or broadcast—if the machine needs attention. It minimizes the risk to the customer, while avoiding catastrophic failures. CycloSmart® increases machine uptime, enabling customers to schedule convenient maintenance for their facility.

## Safe

Vibration monitoring for critical machines

## Optimization

Maintenance intervals are planned in advance

## Predictive

Machine diagnostics for early warning and detection to avoid failure

## Reliable


Increasing machine uptime, being able to schedule downtime

## Cost-effective

Lower overall ownership cost

## Expandable

Multi-reducer monitoring

the **CHECK**   
**ENGINE LIGHT** for  
**SPEED REDUCERS**



## COMPATIBLE PRODUCTS

Cyclo® Bevel BuddyBox® 4 (Cyclo BBB4)  
 Cyclo® Helical BuddyBox (Cyclo HBB)  
 Cyclo® 6000 series  
 Cyclo® Overhead Drive

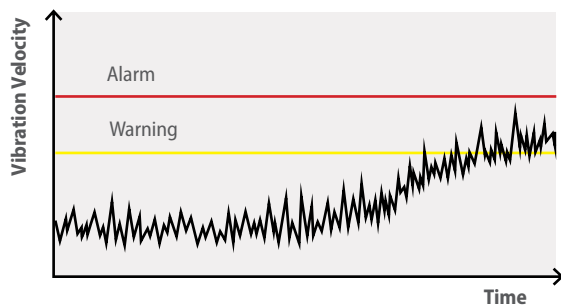
HSM  
 Hyponic®  
 Paramax®



**Vibration sensor** – The vibration sensor is a MEMS type sensor that comes with a 3m length of cable with a field Wireable connector to allow for easy installation in the field. The sensor mounts to the application using 1 M5x20 bolt.  
 Max Qty - 4



**Temperature sensor** – The temperature RTD is used for constant temperature monitoring of any component. It delivers a 4-20ma signal that is recorded for future reference allows for 2 alarm levels per temperature channel.  
 Max Qty - 2



Machine vibration trend according to ISO 10816

## CycloSMART® SPECIFICATIONS

	Electrical Data	Mechanical Data	Miscellaneous
Diagnostic Electronics	Operating Voltage [V]: 24 DC±20% Current Consumption [mA]: 200 (24V)	DIN Rail Mounting	Inputs/outputs total 16, configurable Ethernet TCP/IP
Power Supply	Input voltage range: 100...240 AC (±10%)	DIN Rail Mounting	-
Vibration Sensor	Operating Voltage: 9 DC	Mounting Screw (15, M5 x20)	-

Many more monitoring options available, contact your local sales rep for more information.