



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® Bevel Buddybox 5 (Cyclo® BBB5)

Cyclo® Helical Buddybox (Cyclo® HBB)

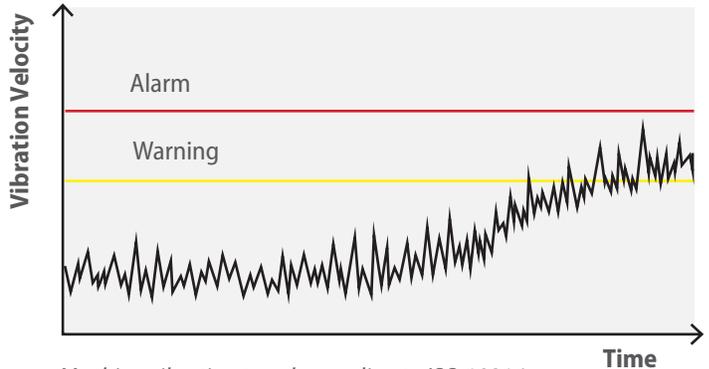
Cyclo® 6000 series

Cyclo® Overhead Drive

HSM,

Hyponic®

Paramax



Machine vibration trend according to ISO 10816



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

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 (Optional)	Input voltage range: 100...240 AC (±10%)	DIN Rail Mounting	-
Vibration Sensor	Operating Voltage: 9 DC	Mounting Screw (15, M5 x20)	-