



**Brüel & Kjær Vibro**

A member of the NSK Group

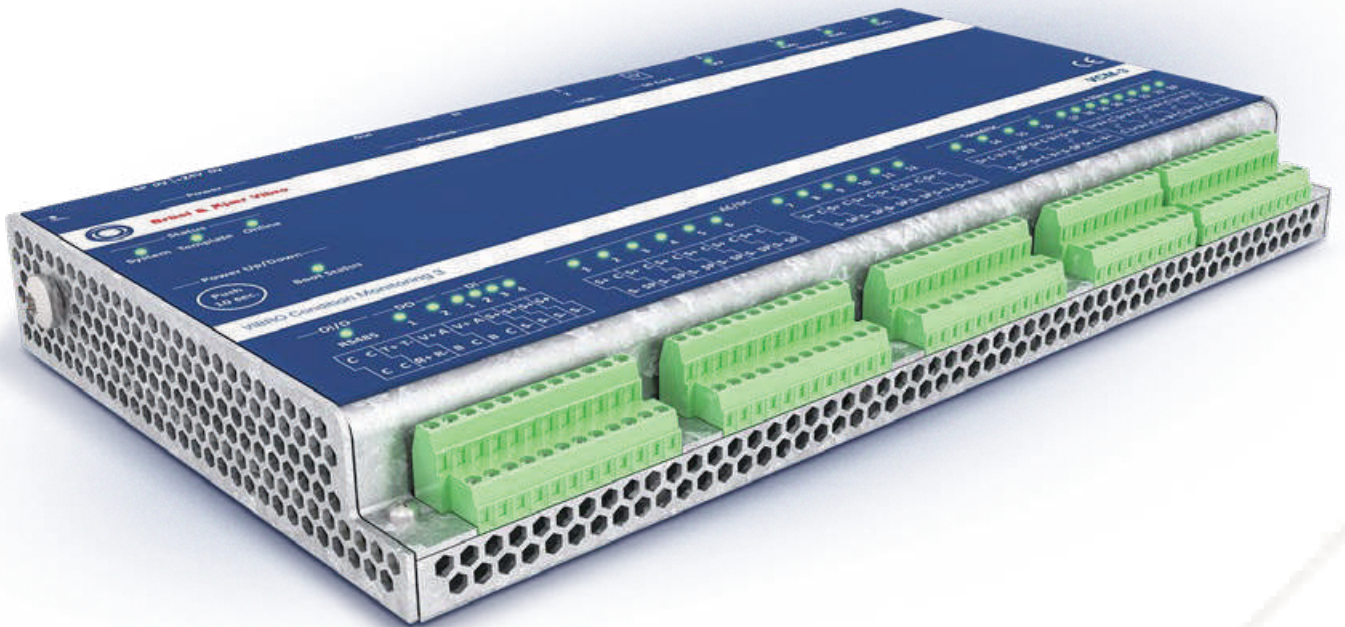
Smart  
**Condition**

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# TAKING AUTOMATIC MACHINE FAULT DETECTION AND DIAGNOSTICS TO A NEW DIMENSION



## VCM-3

VIBRO Condition Monitoring 3

**JUST UPTIME** 

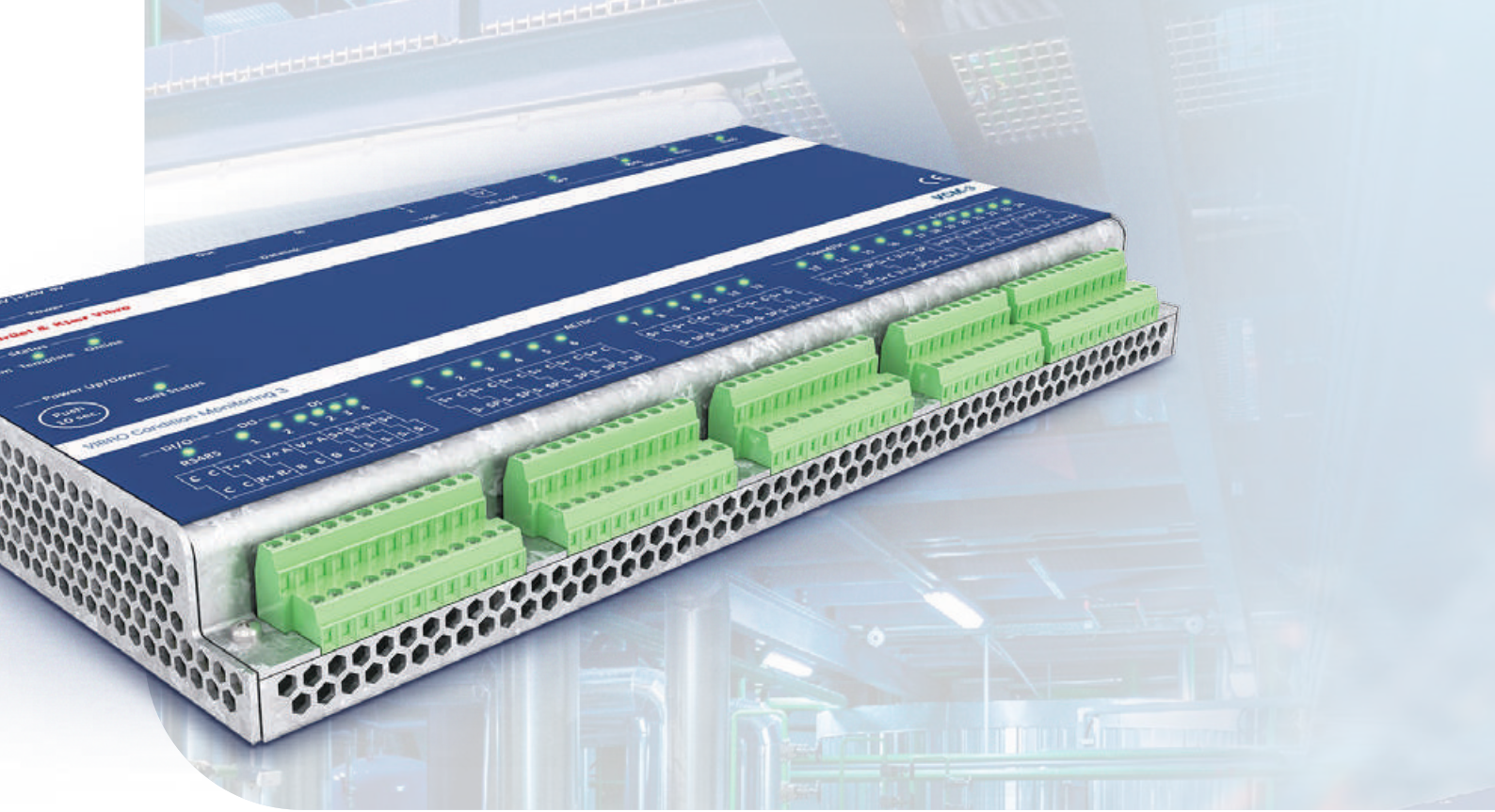
*No Complicated Set Up*

# ***JUST UPTIME***



*VCM-3 is an out-of-the-box  
solution for the most commonly  
found rotating equipment*

- Increase throughput and profit via continuous monitoring of your assets
- Extend maintenance intervals, minimize spares, and eliminate walkarounds
- Enable real business insights through big data and analytics
- Improve operational excellence by combining VCM-3 data with VC-8000 data and SETPOINT® CMS to build a plant-wide system



## VCM-3 ONLINE VIBRATION MONITORING – SIMPLIFIED

### VCM-3 IS ONE STEP AHEAD OF ALL OTHER FIELD DEVICES

It uses specially defined measurements that automatically detect the early onset of developing faults and provides a diagnostic indication of fault type and severity. We have packed over 20 years of condition monitoring experience into this little box of tricks, to make your life easier.

With a wide range of connectivity to control systems, any data historian, including the OSIsoft® PI System® and other plantwide databases, VCM-3 provides enterprise-level continuous monitoring of all your critical and non-critical assets. Connectivity to a cloud-based solution is also an option when either client expertise is limited or no data monitoring infrastructure exists.

*There is simply no better way to keep  
on top of your field installations.*

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### A VERSION TO SUIT EVERY TYPE OF INSTALLATION

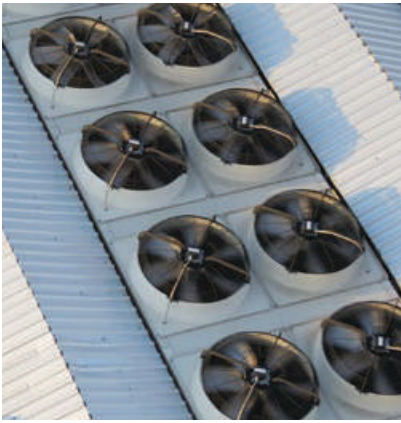
The VCM-3 is available in different options, depending on the type of installation required

The 2 main options are: Standard Template & Custom Template

Standard Template is included with all VCM-3 purchases and covers simple, fixed speed machines such as Fans, Pumps Motors and Blowers, offering basic monitoring functionality. This does not require customization and is ready to use out of the box.

Custom Template is available when Standard template doesn't meet your needs. There are three versions of Custom Template – Core, Component and Change





## *Maximize Uptime And Avoid Unmonitored Machine Assets Deteriorating Quickly*

### **VCM-3 STANDARD**

- Overall Machine Health ✓
- ISO "Traffic Light" Alarms ✓
- Bearing Condition ✓
- OPC UA and Modbus Comms ✓
- OSIsoft® PI System® ✓

### **VCM-3 CUSTOM CHANGE**

Allows for minor edits and fine-tuning to existing CORE or COMPONENT templates.

### **VCM-3 CUSTOM CORE**

- Overall Machine Health ✓
- ISO "Traffic Light" Alarms ✓
- Bearing Condition ✓
- OPC UA and Modbus Comms ✓
- OSIsoft® PI System® ✓
- Machine Specific Templates ✓
- Focused Machine Fault Descriptors ✓
- Speed Tracking Filters ✓

Provides everything included in STANDARD, plus tacho measurements, NB (Narrow Band), tracking measurements or other BP (Band Pass).

### **VCM-3 CUSTOM COMPONENT**

- Overall Machine Health ✓
- ISO "Traffic Light" Alarms ✓
- Bearing Condition ✓
- OPC UA and Modbus Comms ✓
- OSIsoft® PI System® ✓
- Machine Specific Templates ✓
- Focused Machine Fault Descriptors ✓
- Speed Tracking Filters ✓

Provides everything in CORE, plus detection of blade pass and gear mesh frequencies, REB (Rolling Element Bearing) fault frequencies, or other applicable machine component-specific fault frequencies.

*All of the above versions can be specified as ATEX certified for hazardous installations, or with an IP66 rated (non ATEX) field housing when requiring protection from the elements.*





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**Learn More**

## **BRÜEL & KJÆR VIBRO:** PIONEERS IN MACHINE MONITORING SOLUTIONS

Brüel & Kjær Vibro is the leading worldwide independent supplier of condition monitoring solutions for rotating machinery. The comprehensive product range comprises vibration sensors (acceleration, velocity and displacement), vibration monitors, handhelds and rack-based plant-wide integrated monitoring solutions.

These products plus a suite of comprehensive services fulfill the most demanding applications for safety, condition and performance monitoring of rotating machinery.

### **Germany**

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