



Brüel & Kjær Vibro

A member of the NSK Group

TAKING AUTOMATIC MACHINE FAULT DETECTION AND DIAGNOSTICS TO A NEW DIMENSION



VCM-3

VIBRO Condition Monitoring 3

JUST UPTIME 

No Complicated Set Up

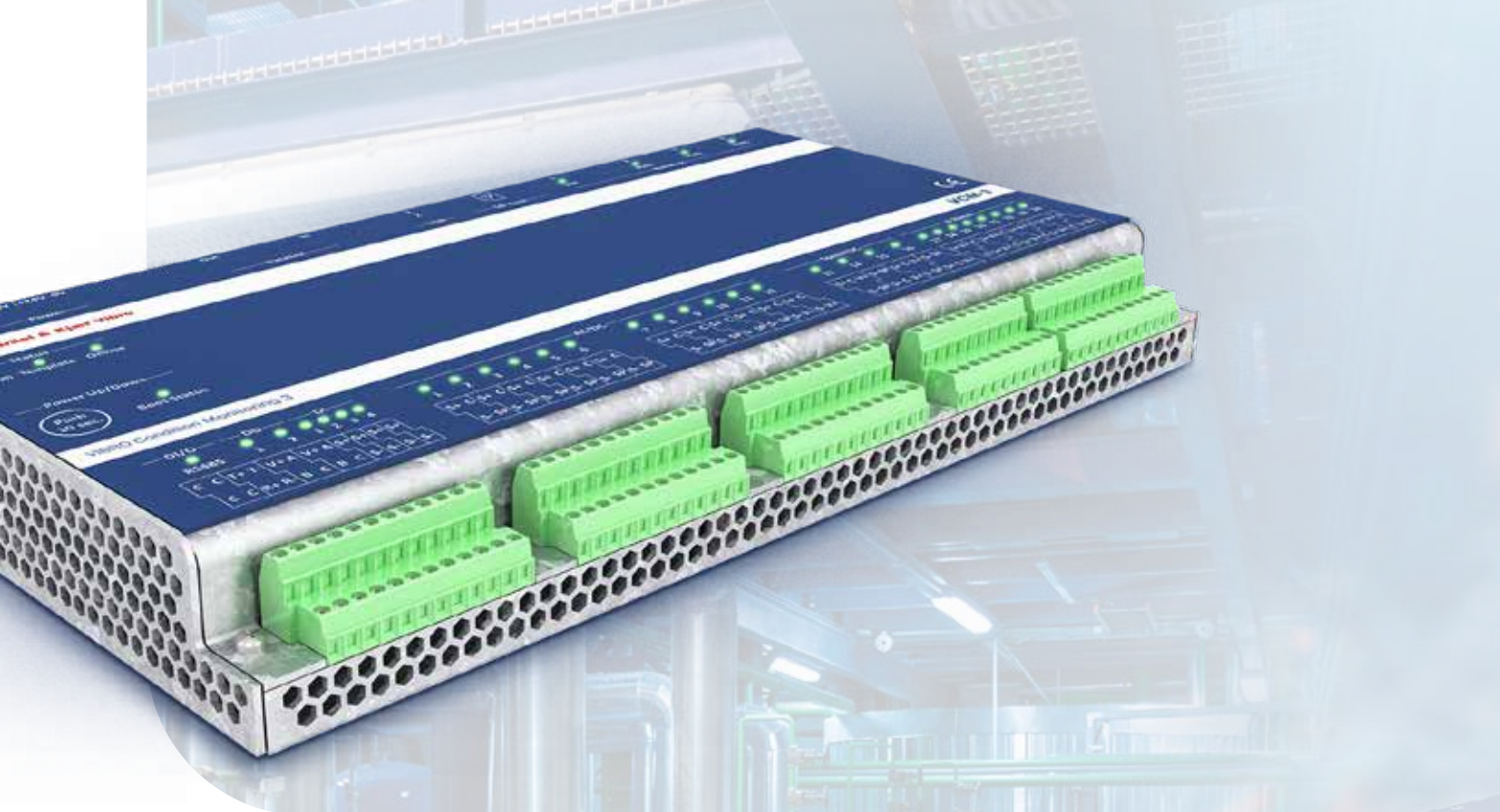
JUST

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.*

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.



VCM-3 AT A GLANCE ➤

- Create immediate insights without prior diagnostic expertise
- Simple and fast to configure – be up and running in no time
- Start small and scale fast as your experience and installation grows
- Interface with other plant-wide databases, including the OSIsoft® PI System®
- Expand using SETPOINT® CMS software to provide plant-wide condition monitoring
- Ensure safe data collection and integrity with powerful built-in security
- Combine with the flagship VC-8000 system to monitor critical and non-critical assets
- Choose from different versions to meet your monitoring needs and budget
- Hazardous Area Approvals (Ex) Class 1, Division 2, Groups A-D; IECEx and ATEX Zone 2
- BOOST your VCM-3 device with our customized Asset Health Monitoring Strategy services
- ADD IP66 certified housing for additional protection

B&K Vibro has a huge installed base and over sixty years of solving challenges for our customers – you will struggle to find a problem we haven't already solved.



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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.

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