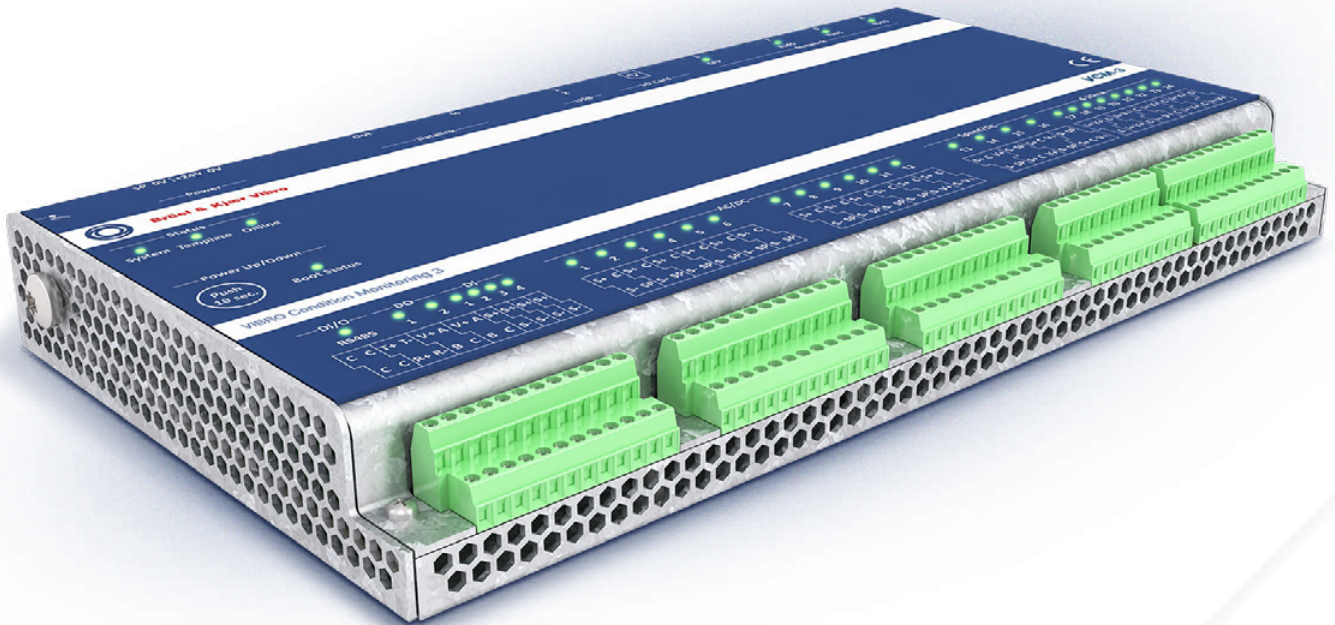# Brüel & Kjær Vibro
A member of the NSK Group

A New Dimension to
AUTOMATED ASSET FAULT DETECTION AND DIAGNOSTICS

VCM-3
Monitor Asset Health to Maximize Uptime

JUST UPTIME

CONDITION MONITORING DEMYSTIFIED

- **Removes the risk of failures between walkaround intervals**
- **Condition monitoring at a fraction of the cost of a rack-based system**
- **Diagnostic-based alarming minimizes the need for specialists**

There is ONE solution for all your needs.

AUTOMATED ASSET FAULT DETECTION AND DIAGNOSTICS

VCM-3 adds a new dimension of healthcare awareness to all of your balance of plant assets regardless of the industry.

VCM-3 is compact, cost-effective and includes cutting edge technology based on decades of successfully monitoring thousands of machines globally. This state of the art condition monitoring solution helps turn condition data into real business value.

VCM-3 is highly flexible and easy to configure, and is supported by Brüel & Kjær Vibro's international sales and support network with a wide range of services, including diagnostics, long-term service agreements, upgrades and complete turn-key solutions.

VCM-3 BENEFITS

Easy to Deploy
No expertise required. Our Quick Start guide will get you up and running in no time

Open Communications
Seamlessly integrates to DCS, Historian and other systems including wireless.

Scalable
One hardware platform that can be upgraded as your expertise grows – up to advanced fault diagnostics
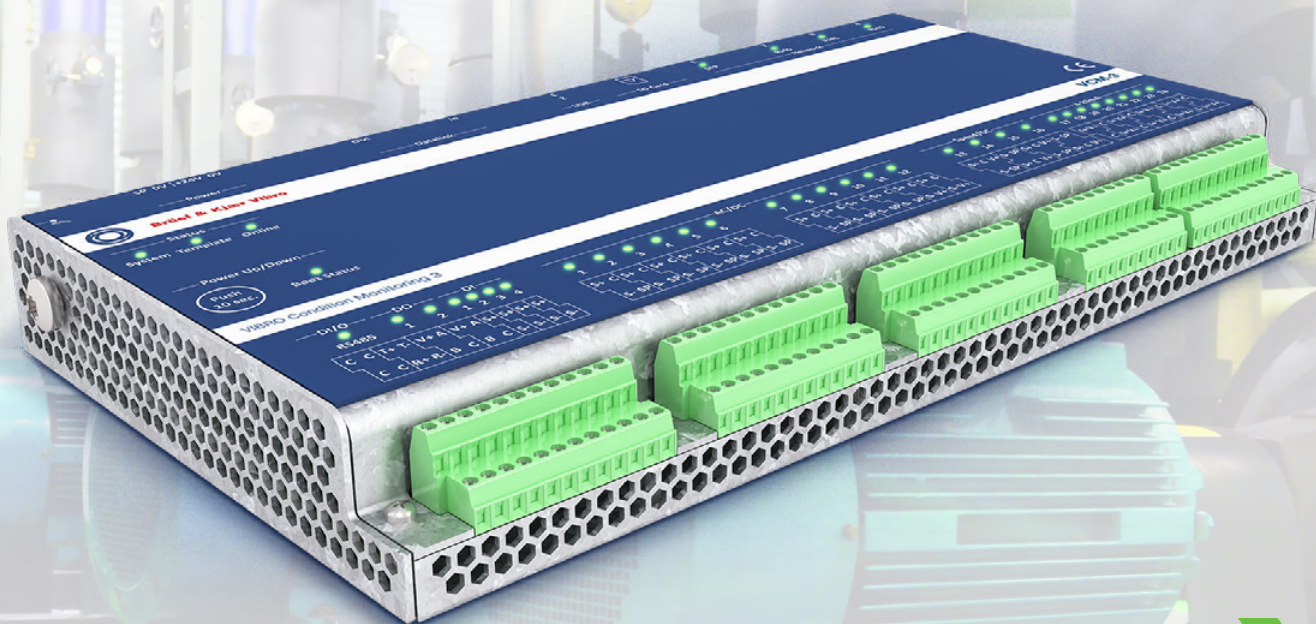
Cyber-Secure
Secure one-way data flow solutions that do not expose your infrastructure to cyber-attack

Actionable Insights
ISO "traffic-light" fault alarms show machine health

VCM-3 FIELD MOUNTED CONDITION MONITORING SYSTEM HIGHLIGHTS:

- Stand alone: On-board calculation of descriptors (no PC required)
- Up to 200 descriptors per unit
- No diagnostic expertise needed

- Remote applications
- Highly scalable. Start small and grow with your needs
- Extensive interface capability
- Easy and quick deployment

JUST UPTIME ▶

VCM-3 STANDARD

Overall Machine Health ✓

ISO "Traffic Light" Alarms ✓

Bearing Condition ✓

OPC UA and Modbus Comms ✓

OSIsoft® PI System® ✓

VCM-3 CUSTOM

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 ✓

Additional functionality can be enabled by merely upgrading the firmware "template", including "advanced descriptors" which can pinpoint many more asset specific faults!

VCM-3 AT A GLANCE

Size:	L: 280, W: 153.5, H: 35 mm
Weight:	1.5 kg
Mounting:	DIN rail or wall mounting
Sensor inputs:	12 differential AC/DC
	Acceleration sensors
	Simultaneous channel monitoring/204.8 kHz sampling

Communications hardware:	3 Ethernet ports, usable as a switch
Communications protocol:	Modbus TCP/IP
	OPC UA server (embedded in VCM-3)
	Web API
VCM-3 built-in software:	Embedded web server/user portal

Want to learn more?
Scan the QR code for more information.

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