



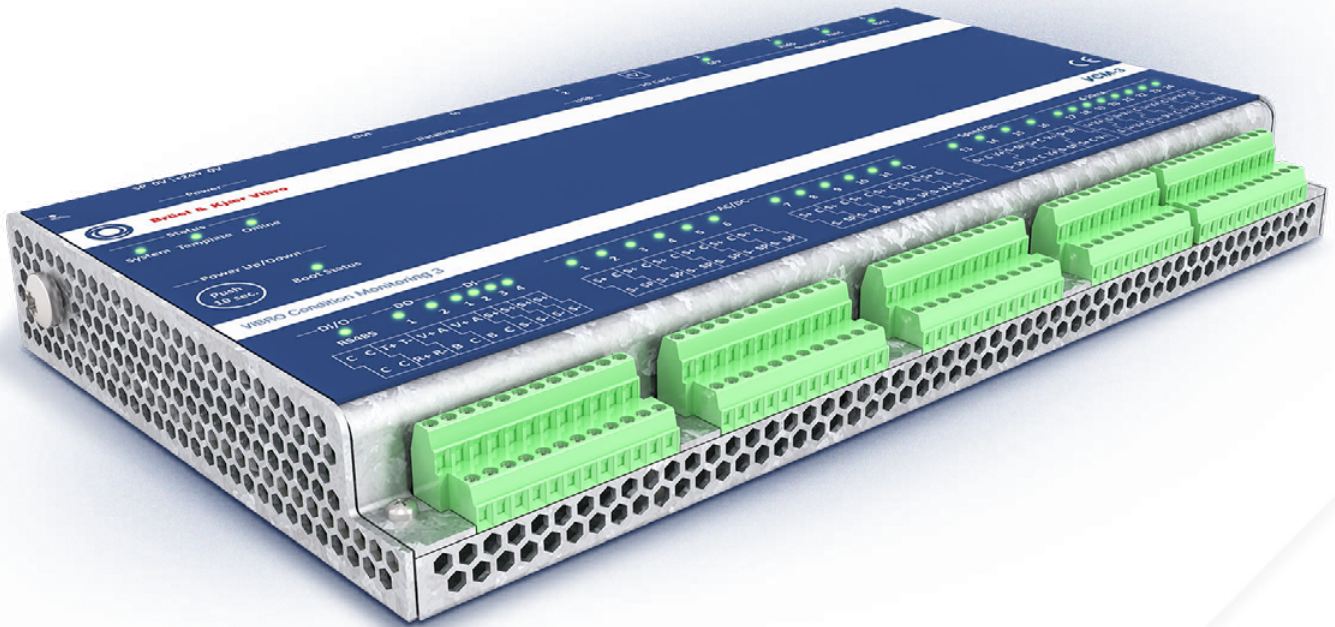
**Brüel & Kjær Vibro**

A member of the NSK Group

**SCHENCK**  
SCHENCK USA CORP.

Official Distributor for  
B&K Vibro Products

# 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.

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## **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

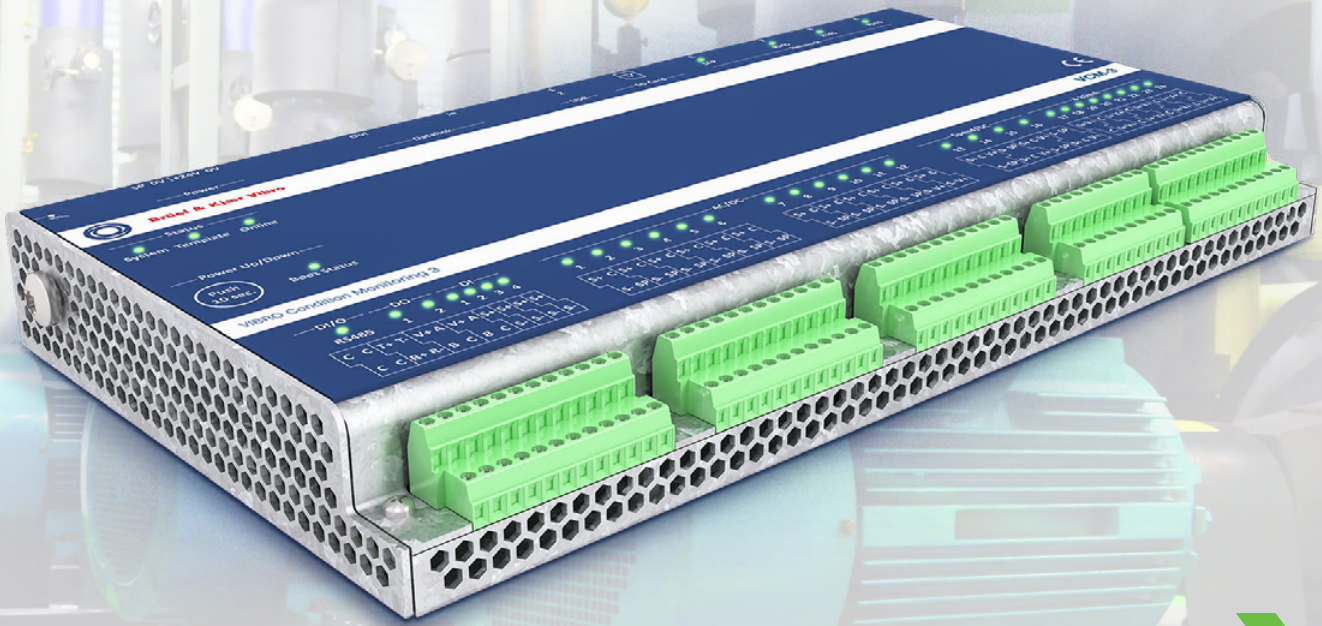
### **Actionable Insights**

ISO “traffic-light” fault alarms show machine health

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## **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



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

or visit [VCM-3 - SCHENCK USA \(schenck-usa.com\)](https://www.schenck-usa.com)

 **SCHENCK**  
SCHENCK USA CORP.

535 Acorn Street  
Deer Park, NY 11729

Tel.: +1-631-242-4010  
Fax: +1-631-242-5077  
[www.schenck-usa.com](http://www.schenck-usa.com)  
[sales@schenck-usa.com](mailto:sales@schenck-usa.com)

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