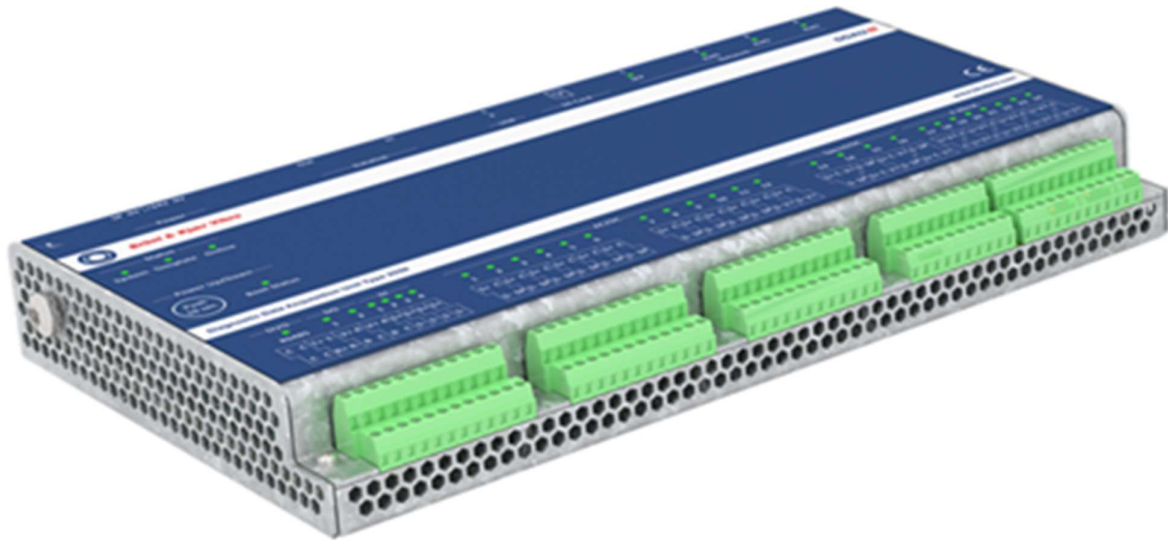




**Brüel & Kjær Vibro**  
a spectris company



## Release Notes

### **VIBRO Condition Monitoring 3 (VCM-3)**

Edge Hardware for Condition Monitoring of Balance-Of-Plant (BOP) Machinery

(VCM-3 2020)

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## 1 VCM-3 2020

The VCM-3 is the cost-effective multi-channel data acquisition hub targeted at monitoring of auxiliary machines, balance-of-plant (BOP) machines and less critical assets as part of enterprise Industry 4.0 digitization efforts. Multiple VCM-3 monitors can be connected to your network with wired technology providing the next generation of asset condition monitoring without batteries or spotty occasional monitoring provided by route based or multiplexed systems.

The Release Notes “VCM-3 2020” documents the status of the release of VCM-3 at the time of the first market introduction (*initial market release*). The document deals with the device hardware, the firmware that is installed on the device for series delivery from the warehouse, as well as the associated VCM-3 Editor configuration and setup software.

For more detailed information about features and functions of VCM-3 please consult the associated “Product specifications and ordering information” document no. C107757002.

### 1.1 VCM-3 Hardware (*initial market release*)

The date code is coded into the serial number on the VCM-3 nameplate. E.g. 20200300114 stands for March 2020. With this it is always possible to track back the hardware revision (status).

The following issues/bugs are known:

- none

### 1.2 VCM-3 Firmware (*version 1.15; initial market release*)

The following issues/bugs are known:

- VCM-3 Homepage – Oscilloscope  
There are some known performance issues while using the Oscilloscope function on the built-in VCM-3 Homepage (web server). Especially when using the VCM-3 Standard (Master) Monitoring it is likely that the Oscilloscope plot freezes when changing channels. When this condition occurs, the user usually has to call up another function on the VCM-3 homepage and then return to the Oscilloscope view. In some case the system will become unresponsive at all and the solution to fix this is to establish a new connection to the VCM-3 Homepage.

The intended use of the Oscilloscope function is during commissioning to check the quality of the input channel signal (raw sensor signal). The described issue is rarely observed in case the “Commissioning Template”. Is used. We therefore recommend using this “Commissioning Template” to check the sensor signals at the input channels during commissioning. The so-called “Commissioning Template” is available on each VCM-3 device. It comes with each FW.

The “freeze condition” will always occur when using a trigger option other than “Auto”.

The described issue (behaviour) is also described in the associated VCM-3 user instructions.

#### IMPORTANT NOTE

The measurement functionality of the VCM-3 is not affected by this behavior! All measurement functions of the VCM-3 hardware/firmware continue to run, alarm states are registered and communication via MODBUS or OPC is maintained.

### 1.3 VCM-3 Editor software (*version 1.0.4, initial market release*)

The following issues/bugs are known:

- none

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### **VIBRO Condition Monitoring 3 (VCM-3)**

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