



**Brüel & Kjær Vibro**



# **Compass 6000™** Condition Monitoring System

Turnkey retrofit as a stand-alone or add-on to **any** existing machine protection system using Condition Monitoring Interface VI-6080

# Are your production machines currently operating efficiently and reliably with minimal downtime and maintenance cost?

If not, you may have to re-evaluate your existing condition monitoring system, or consider implementing one if there is none. In either case, Brüel & Kjær Vibro offers a turnkey retrofit solution to provide advanced condition monitoring capability to your existing protection system or as a stand-alone solution - without having to add data acquisition/conditioning hardware or field wiring!

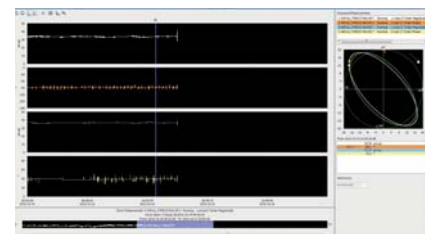
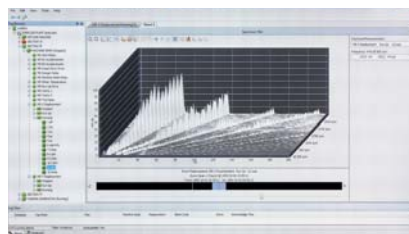
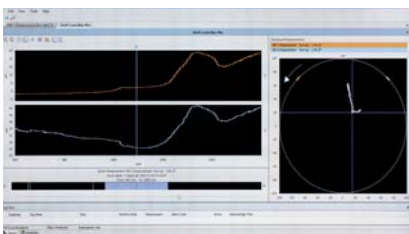


## Condition Monitoring System Compass 6000™

Compass 6000™ is our flagship condition monitoring and diagnostic platform for rotating machinery. For over 25 years now, it has been successfully employed worldwide in the energy, petrochemical and other process industries to maximize machine production, reliability and efficiency while minimizing machine life cycle costs. Compass 6000™ offers:

- **Advanced monitoring functionality** – Early fault detection, state-of-the-art diagnostics, and comprehensive plotting and reporting facilities - all based on Brüel & Kjær Vibro monitoring expertise
- **Open architecture** - Flexible interoperability with other systems
- **Modular concept with high level of scalability** – For both first-time users and specialists, the system grows as your experience and needs grow.

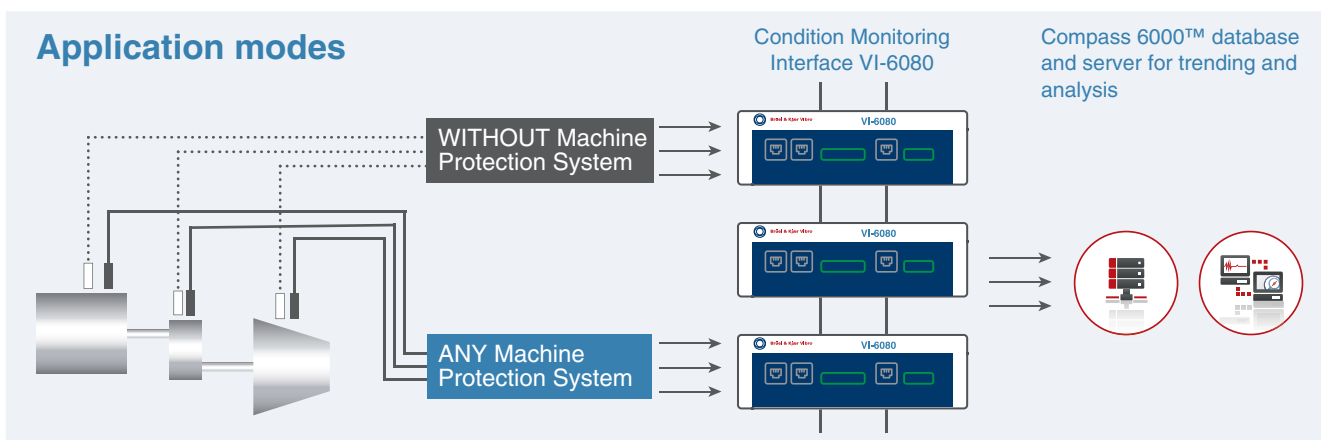
Compass 6000™ normally acquires data from the Brüel & Kjær Vibro machine protection system VIBROCONTROL 6000® or the 16-channel online monitoring system VDAU-6000 but it can also accept data from nearly any protection system with buffered outputs and even from directly wired sensors thanks to the Condition Monitoring Interface VI-6080!



# Condition Monitoring Interface VI-6080

Your current protection system can be easily and cost-effectively extended to include Compass 6000™ condition monitoring capability using the existing cabinets, monitors and field wiring. It does not matter whether it is a plant-wide solution with many machines or a stand-alone solution for just a single machine, it is the Condition Monitoring Interface VI-6080 that makes this possible.

- **Data input** - Real-time vibration and process waveform data is streamed from the buffered signal outputs of the protection modules (or directly from sensors) with up to 64 kHz sampling frequency to the VI-6080.
- **Data output** – The VI-6080 transfers data into Compass 6000™, where it is analyzed, displayed and stored thus giving remote access to machine condition and fault information.



*Integrate existing machine protection systems into a plant-wide condition monitoring solution or implement a stand-alone condition monitoring system that takes data directly from the sensor input.*

## Turnkey Packages

Brüel & Kjær Vibro offers complete product and service packages for the installation, commissioning and optimization of the Compass 6000™ condition monitoring system for your plant. Different optimised packages for 8-48 channels are available depending on the number of required channels and the space available on site. Additional packages can be added for more channels at any time. Choose either a cabinet or a DIN rail mounted version (a mix and match of packages is also possible!):

- **Cabinet mounting** – There are two versions; a small version for up to 24 channels, and a larger version for up to 48 channels and if a PC is required. In a cabinet mounting, all components will be prewired - all that is needed is a sensor input cable to the cabinet and a network cable from the cabinet to the PC!
- **DIN rail mounting** - Components will be delivered unwired without a cabinet

**To get the most out of the system, we recommend our service and support package. Once our experts have installed and fine-tuned the system to your machines, you will be in a position to achieve optimal uptime and the monitoring system can run for years without any intervention!**



*Cabinet for up to 48 channels*

**WHY WAIT ANYMORE AND LOSE MORE UPTIME?**

Contact us now at phone no. +49 6151 428-0 or [info@bkvibro.com](mailto:info@bkvibro.com) for more information.

## Contact

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