**Brue & Kjær Vibro**

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 online monitoring solutions. These products plus a suite of comprehensive services fulfill the most demanding applications for safety, condition and performance monitoring of rotating machinery. Monitoring in the power industry is a strategic focus area with numerous applications in the conventional thermal, cogeneration, nuclear, hydro and wind energy sectors. Based on 50 years of experience and a world-wide sales and support network, Brüel & Kjær Vibro's monitoring solutions have successfully reduced downtime and maintenance costs and increased machine reliability for our customers world-wide.

**Brue & Kjær Offers wide range of Vibration monitoring products.**

**Condition Monitoring**

**Compass - Model 6000 - Rack-Based Safety Monitoring System**

The Compass 6000 platform Brüel & Kjær Vibro offers a new modular platform for safety, trending and diagnostic monitoring of machines and production plants.

**Model VDAU-6000 - Condition Monitoring and Analysis System**

Brüel & Kjær Vibro introduces a unique condition monitoring concept that offers high channel density with early fault detection capability. This powerful system is easy to install with very little setup. Narrow-band monitoring provides accurate, early fault detection and identification for many types of machines. The 16-channel VDAU-6000 field monitors (with ATEX certification) can be installed directly on-site.
COMPASS - Model Classic - Automatic Integrated Monitoring System

COMPASS is a fully automatic integrated monitoring system for critical production machinery. Through its modular concept, COMPASS can be adapted to a large range of different machines so that all of the requirements of a modern condition based maintenance strategy are fulfilled by one, plant-wide system.

Remote Monitoring Of Wind Turbines

To make wind energy competitive with other power plants in the near future, enhancements of availability, reliability and lifetime of the wind turbines are required. Significant improvements in this field can be seen in efficient maintenance and repair strategies on the basis of condition monitoring systems.

Safety Monitors

VIBROCONTROL - Model 6000 - Safety Monitoring System

The VIBROCONTROL 6000TM safety monitoring system (VC-6000TM) is a modular 19” rack based system designed for continuous protective and condition monitoring of machines using a wide range of permanently installed sensors.
VIBROCONTROL - Model 4000 - Modular System for Conventional Safety Monitoring

The universal - powerful-cost-effective-modular system for conventional safety monitoring. Safety monitoring is employed in almost every industry when machines should be monitored for maintaining defined limit values. This provides protection for personnel and machinery and also secures functionality and productivity. Today more machines are required to operate at their limits or the capacity is increased during refurbishment.

Compact Monitors

VIBROCONTROL - Model 6000 - Compact Monitor

Uninterrupted and safe production and high machine uptime require a permanently installed monitoring strategy. VIBROCONTROL 6000TM Compact monitor belongs to a new, revolutionary generation of measuring and diagnosis devices that adapt easily to customer requirements for machine safety and uptime, thanks to a flexible hardware and software concept. There are over 200 powerful and price-optimized standard monitoring solution packages available.

VIBROCONTROL - Model 1500 - Compact Monitors

This powerful and low-priced solution enables measurement and monitoring of casing vibration, rolling-element bearing condition, Temperature simultaneously at 2 bearings of your machine. The acceleration sensor AS-062/T1 integrates a temperature sensor in the housing besides the elements necessary for vibration measurement. With the mounting of the sensor all three measured variables are acquired simultaneously.
VIBROCONTROL 1100 for 2-channel measuring and monitoring of absolute bearing vibrations and rolling-element bearing condition using a standard acceleration sensor.

The VIBROCONTROL 1000 family, is used when single-channel monitoring is sufficient to protect a machine. A typical configuration consists of 1 (2) sensors and electronic unit. The monitor is designed to convert the sensor signal into the monitored parameter, compare the measured value with limits and energise limit relays.

Bearing/housing vibration monitoring system consists of: Electronic monitoring instrument to determine overall vibration from the sensor signal, and uses a vibration sensor - electro-dynamic velocity type or accelerometer.

The reliable electronic vibration switch. Vibration damage can effectively be prevented using vibration monitors. Monitoring units can report all excessive vibrations before the danger point is reached. VIBROCONTROL 868 monitors horizontal absolute bearing vibrations. VIBROCONTROL 869 monitors vertical absolute bearing vibrations.
Handhelds

**VibroTest 80**

Its lightweight, rugged compact design makes it ideal for route-based data collection, and it can easily be upgraded to a comprehensive four-channel vibration measurement device providing extensive analysis and balancing functionality.

**Sensors**

**Accelerometers**

For advice on the correct acceleration sensor and installation accessories, we recommend that you discuss your specific application with our specialists to ensure the correct solution.

**Velocity Sensors**

For advice on the correct velocity sensor and installation accessories, we recommend that you discuss your specific application with our specialists to ensure the correct solution.

**Non-Contacting Displacement Sensors**

Non-contacting displacement sensors for measurement of relative shaft vibration and displacement, as well as for use as reference sensors can be divided into two groups: The discrete types SD-xxx and DS-xxx consisting of separate sensor with cable, extension cable and oscillator. The integrated type IN-xxx where the calibrated length of extension cable and the oscillator are integrated into the sensor body.