



VIBROCONTROL 6000[®] Compact monitor adapts to your needs

In cooperation with our customers, the family of VIBROCONTROL 6000[®] Compact monitors was extended by the new application package type BCX-851-2 with enhanced protection and diagnostic capabilities. The protection functionality is based on ISO 10816-3 and provides the following typical measurements:

Overall vibration

RMS value of vibration velocity and acceleration in mm/s and m/s
Both measurements adjustable in the frequency range 1 Hz to 20 kHz.

Measurement of bearing condition

BCU value measuring for identifying rolling-element bearing faults.

The BCU value has been successfully used in machine safety monitoring and fault diagnosis applications for more than twenty years. Compared to other bearing condition measurement methods, BCU has a unique signal filtering and detection process which enables to quickly identify rolling-element bearing faults.

All measured values are displayed on analog outputs and available as current signals 0/4 ... 20 mA and voltage signals 0/1...10 V. Measurements are compared to predefined limit values. If the measured value exceeds the limit value, there will be an alert or danger alarm.

By expanding the error detection techniques, additional failure modes such as unbalance, misalignment, bearing faults, and mechanical looseness can be detected in standard machines. The setup of the instrument is easy. It is mounted onto a DIN rail in a control cabinet or an external housing.