

VIBROTECTOR®

Vibration transmitter for effective machine protection



• Reliable

• Easy to use

• Low cost

VIBROTECTOR® – robust machine vibration transmitter



VIBROTECTOR® is the ideal vibration monitor for all machines which run under approximately constant operating conditions such as, e.g.:

- ▶ Fans
- ▶ Ventilators
- ▶ Pumps
- ▶ Electric motors

VIBROTECTOR® records broadband machine vibrations and transfers the resulting overall value as a current signal (4-20 mA) to the connected process

control system. This value is compared with specified alarm thresholds and an alarm issued to the operating personnel if a value is exceeded.

10 great reasons to monitor your machine vibrations with VIBROTECTOR®

- Continuous vibration monitoring
- Direct alarm notification in the control system
- Simple to mount on the machine
- Low installation costs
- No additional hardware required
- No additional supply voltage required
- Robust compact design
- 4-20 mA output
- Conforms to ISO 10816-3 & 10816-7
- Ideal for OEMs



Order information

VIBROTECTOR® is available in two versions which differ in frequency range. Both versions are also available with intrinsic safety.

- VIBROTECTOR®, 10 Hz-1kHz..... VIB 5.731
 - Intrinsically safe version VIB 5.731 EX
 - VIBROTECTOR®, 2 Hz-1kHz..... VIB 5.736
 - Intrinsically safe version VIB 5.736 EX
 - Limiting device for hazardous areas..... 0 2088 0010
 - Connection cables for industrial areas:
 - with straight plug VIB 5.740-X
 - with angled plug VIB 5.741-X
 - Connection cables for hazardous areas:
 - with straight plug VIB 3.570-L
- L: cable length in meters

Technical data

- Output signal..... Current level (4-20mA)
- Resonance frequency 17 kHz
- Measurement range..... up to 20 mm/s
- Frequency range ±10%
 - VIB 5.731 (rot. speed > 600 rpm) 10 Hz to 1 kHz
 - VIB 5.736 (rot. speed > 120 rpm) 2 Hz to 1 kHz
- Insulation..... complete
- Temperature range..... -30°C to + 80°C
- Temperature sensitivity..... - 0.4 µA/K
- Supply voltage (loop power)..... 24 VDC(±5%)
- Loop resistance 90 to 360 Ohm
- Weight 80 g
- Protection class (w. special cable) IP 67 (IP68)
- Cable connector type..... Cannon, Mil-C5015
- Housing VA 1.4305 (stainless steel)
- Mounting M8 thread