



Vibration Switches & Transmitters

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Vibration Switches & Transmitters

Vibration monitoring is used to monitor, analyze, and identify industrial equipment vibration which may indicate a malfunction, pending failure, or process restriction. It can be used to determine

the condition of rotating equipment such as pumps, motors, compressors, paper machines, rolling mills, machine tools, and gearboxes.

- Vibration analysis can identify developing problems, allowing for timely and predictable scheduling of maintenance before major damage or failure, and production downtime
- Vibration sensors can also measure vibration as a process variable; for example, material handling systems looking for an impact when something is moved or placed

Features

- MEMS-based sensors provide DIN ISO 10816 standard vibration sensing
- Vibration velocity ranges of 0 to 25 mm/s RMS or 0 to 50 mm/s RMS
- 10 to 1000 Hz frequency range
- Suitable for most industrial machines with motor speeds of 600 to 3000 RPM
- 5-year warranty



Vibration Switches/Transmitters

ProSense VCST series sensors conveniently provide a vibration switch and transmitter in a single unit. These MEMS-based sensors measure the RMS vibration velocity of the device to which they are attached, provide a switch output operating at a setpoint easily set with rotating setting rings, and supply an analog output for the actual vibration measurement.

Starting from
\$190.00

- 18 to 32 VDC operating voltage range
- 500mA digital output PNP adjustable switch trip point and switch delay (1 to 60 seconds)
- 4-20 mA output analog
- 13 to 176°F (-25 to 80°C) operating temperature range
- Integral M8x1.25 threaded mounting stud
- Green and yellow LEDs indicate power and switching status
- IP67 environmental protection rating

Vibration Transmitters

ProSense VCT series vibration transmitters are ideal for harsh industrial applications. These stainless steel MEMS-based sensors offer a wide operating temperature range and IP67/68/69K protection (depending on IP rating of the cable used).

- 316L stainless steel construction
- -22 to 257°F (-30 to 125°C) operating temperature range
- 9.6 to 32 VDC operating voltage
- 4-20 mA output analog
- ¼"-28 UNF / M8 or ¼"-28 UNF process connection (threaded adapters included)

Starting from
\$205.00

