Vibration Controls

**Series VBS**

**Vibration Switch**

Adjustable Switch and Delay Settings, Continuous 4 to 20 mA Output

The Series VBS Vibration Switch is small, compact, and uses two easy set up dials that adjust the maximum RMS velocity set point and false trip time delay. The Series VBS is intended to continuously monitor the changes in a machine’s vibration level. The VBS takes real-time RMS vibration input and provides an analog output of velocity as well as a switching output when an alarm value is exceeded.

**FEATURES**

• Easy set-up and operating concept
• 4 to 20 mA output
• No software required
• Adjustable switch and delay set point

**APPLICATIONS**

Vibration monitoring for:
- Motors
- Pumps
- Fans
- Engines
- Compressors
- Centrifuges
- Generators
- Turbo chargers
- Gear boxes
- Conveyors

**SPECIFICATIONS**

- Housing Material: PBT, PC, FPM, and 316 SS.
- Temperature Limit: -22 to 221°F (-30 to 105°C).
- Accuracy: < ±3%.
- Measuring Range: 0 to 50 mm/s.
- Connections: M12 connector.
- Enclosure Rating: NEMA 6 (IP67).
- Electrical Rating: 18 to 32 VDC.
- Mounting Orientation: All.
- Nonlinearity: < ±0.25% of span.
- Switch Output Range:
  - VBS-1: 0 to 25 mm/s Vrms
  - VBS-2: 0 to 50 mm/s Vrms
- Analog Output Range: 10 to 1000 Hz.
- Output Signal: 4 to 20 mA.
- Switch Type: PNP NO (500 mA max).
- Switch Time Delay: 1 to 60 s.
- Repeatability: < 0.5%.
- Weight: 0.25 lb (0.114 kg).
- Agency Approval: CE.

Model VBS-1, Vibration Switch 0 to 25 mm/s Vrms Range .......... $300.00
Model VBS-2, Vibration Switch 0 to 50 mm/s Vrms Range .......... $300.00

Items are subject to Schedule B discounts.

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**Model VBT-1**

**Vibration Transmitter**

Continuous 4 to 20 mA Output Signal

The Model VBT-1 Vibration Transmitter continuously detects the vibration in a system and monitors for unusual operating conditions and potential failure. The vibration is converted into an analog signal at the current output. The VBT requires no setup, and there is no software required for configuration. The 2-wire loop power operation, combined with standard M12 micro cable connector and interchangeable mounting studs (1/4”-28 UNF) or the 1/4”-28 UNF, makes for a fast and reliable installation.

**FEATURES**

• Easy set-up and operating concept
• 4 to 20 mA output
• No software required
• Stainless steel housing

**APPLICATIONS**

Vibration monitoring for:
- Motors
- Pumps
- Fans
- Engines
- Compressors
- Centrifuges
- Generators
- Turbo chargers
- Gear boxes
- Conveyors

**SPECIFICATIONS**

- Housing Material: 316 SS.
- Temperature Limit: -22 to 221°F (-30 to 105°C).
- Accuracy: < ±3%.
- Connections: M12 connector.
- Enclosure Rating: NEMA 6 (IP68).
- Electrical Rating: 9.6 to 32 VDC.
- Mounting Orientation: Any position.
- Nonlinearity: < ±0.25% of span.
- Frequency Range: 10 to 1000 Hz.
- Output Signal: 4 to 20 mA.
- Repeatability: < 0.5%.
- Weight: 0.28 lb (0.125 kg).
- Agency Approval: CE.

Model VBT-1, Vibration Transmitter ............................... $320.00

Items are subject to Schedule B discounts.