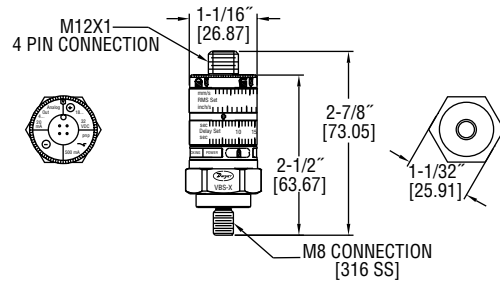


# VIBRATION SWITCH

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/BENEFITS**

- 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

MODEL CHART	
Model	Description
VBS-1	Vibration Switch 0 to 25 mm/s Vrms Range
VBS-2	Vibration Switch 0 to 50 mm/s Vrms Range

ACCESSORIES	
Model	Description
A-283	4-wire connection

**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.