VIBRATION SENSOR

PCE-PVS 10



- **vertical installation**
- **Process signal output**
- **MIL-C-5015 connector**
- **M6 process connection**
- **different measuring ranges**
- **robust construction**

The vibration sensor has been developed for the continuous monitoring of the vibration speed. The vibration sensor is available in different versions. Depending on the type of vibration sensor, a distinction is made between design and measuring range. The vibration sensor measures the vibration speed in the range of ± 12.7 mm / s in the frequency range between 3 Hz and 1500 kHz.

The measured vibration speed is output as a 4 ... 20 mA process current. The vibration sensor is looped through a MIL-C-5015 connector to a controller or process display. Due to the design, the connection socket is attached to the vibration sensor vertically. The vibration sensor can be operated with a voltage of 12 ... 24 V DC.

Specification

Speed	
Measuring range	0 ... 12,7 mm/s
Resolution	0.07 mm/s

General technical data	
Outputs	4 ... 20 mA
Outputs	2 conductors 4 ... 20 mA
Cable length	5 m
Connections	2-pin MIL-C-5015
Frequency	3 ... 1500 Hz
Housing	Stainless steel
Bandwidth	3 ... 1500 Hz
Overload protection	±1000 g (short-term shock)
Mounting	1/4-28 (female thread)
Sensitivity	<5%
Protection class (device)	IP65
Power supply	15 ... 30V DC
Operating conditions	-40 ... 85 °C , 10 ... 95 % RH
Storage conditions	-40 ... 85 °C , 10 ... 95 % RH
Dimensions (L x W x H)	55 x 22 x 22 mm
Weight	82 g