

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 $\pm 12.7 \text{ mm / s}$ 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

Acceleration

Measuring range -12,7 ... +12,7 mm/s

General technical data

Outputs 2 conductors 4 ... 20 mA

Cable length 5 m

Connections 2-pin MIL-C-5015

Frequency 3 ... 1500 Hz

Bandwidth 3 ... 1500 Hz

Overload protection ± 1000 g (short-term shock)

Sensitivity <5%

Protection class (device) IP65

Power supply 12 ... 24 V DC in current loop

Operating conditions -40 ... 85 °C, 10 ... 95 % RH

Storage conditions -40 ... 85 °C, 10 ... 95 % RH

Dimensions (L x W x H) 51 x 22 x 22 mm