

Acceleration Sensor PCE-PVS 30



Acceleration Sensor for monitoring the vibration speed / 4 ... 20 mA output

MIL-C-5015 connection / 3 ... 1500 Hz bandwidth

The Acceleration Sensor has been developed for the continuous monitoring of the vibration speed. The Acceleration Sensor is available in different versions. Depending on the type of vibration sensor, a distinction is made between design and measuring range. The Acceleration Sensor measures the vibration speed in the range of $\pm 12.7 \text{ mm/s}$ or $\pm 25.4 \text{ mm/s}$ in the frequency range between 3 Hz and 1500 kHz.

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

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

Subject to change

Specifications

Measuring range	± 12.7 mm / s
frequency range	3 ... 1500 Hz
output	2 conductors 4 ... 20 mA
sensitivity	<5%
Shock limit	± 1000 g
Power supply	12 ... 24 V DC in current loop
Isolation from ground	> 108 ohms
Output impedance	<100 ohms
design	horizontal connection
Electrical connections	Pin A: + 4 ... 20 mA
	Pin B: - 4 ... 20 mA
Connection type	2 pin MIL-C-5015
operating temperatur	-40 ... 85 ° C
Dimensions	Ø22 x51
Mounting thread	M6

More information

More product info



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