

Vibration Sensor Kit PCE-VMS 100



Vibration sensor PCE-VMS 100

Kit with digital display and vibration sensor for predictive maintenance / Digital display 96 x 48 mm multi-signal with 4 digits

This PCE-VMS 100 vibration sensor is a simple construction device for vibration control in machines and installations. This device detects vibrations caused by balance mismatches, defective adjustments, loose parts, defects in rollers or gears. When the threshold set in the device is reached or exceeded, an alarm is sent or the machine is turned off. Constant control allows early detection of possible machine defects. This in turn allows you to plan in advance the maintenance work, which avoids stopping the machines or the installation, thus avoiding economic losses. The device is used in virtually any industry and machine control sector.

Functions included PCE-DPD-U

- ▶ 1 or 2 alarms, configurable independently, of max. o min., set point and hysteresis
- ▶ Display filters
- ▶ Indicator with 5 brightness levels
- ▶ Password to block the configuration menu
- ▶ Universal power supply 18... 265V AC (50 / 60Hz) / DC

Sensor information PCE-AC420-210

- ▶ Range Measuring 0.2 ... 20 mm / s
- ▶ Linear frequency range (± 3 dB) 10 ... 1000 Hz
- ▶ Degree of protection IP67
- ▶ Shielded connector 713 (M12), axial
- ▶ Approx. 66 g

Specifications

Technical Specifications - PCE-AC420-210Sensor

Measuring range (RMS) at 4-25-mA	0.2 ... 25 mm / s
Nominal value (RMS) at20-mA	20 mm / s
Sensitivity	0.8-mA / mms-1
3 dB lower frequencylimit	10 Hz
3 dB upper frequency limit	1000 Hz
Stabilization time at 1%tolerance	2 s
Loop supply voltage	12 ... 30V
Destruction limit	± 4000 g / 8.8 lbs
Transversesensitivity	<5%
Operating temperature	-40 ... 85°C / -40 ...185°F
Type of protection	IP67
Weight withoutcable	66 g / 2.3 oz
Shell material	Stainless steel
Connector	Male connector
Mounting	M8 threaded hole

Technical specifications - PCE-DPD-Uscreen

Screen	4-digit red LED
Digit Height	14 mm
Processes	Vexc +15 Vdc configurable in terminal5
Response time	< 300 mSec (0% to 99% signal)
'U' power	18 to 265V AC / DC (isolated 1500 Veff @60 sec.)
Power	230V AC / 24V (depending onversion)
Entry	4 ... 20-mA SLOT1: relay R1 included (optionally,you can request analog output 4-20..A or RS485 Modbus
Departures	RTUoutput) SLOT2: empty (optionally, you canrequest a relay relay R2, if R1 is alreadyinstalled)
Type of protection	IP65
Connections	Screw plug-interterminal
Feeding	18... 265V AC (50 / 60Hz) /DC
Environmentalconditions	0 ... 50°C / 32 ...122°F
Weight	< 150 grams
Dimensions	96 x 48 x 91 mm / 3.8 x 1.9 x 3.6 in(including terminal)

Generalspecifications

Regulations	To control machinery for predictivemaintenance according to ISO2372, ISO10816, ISO20816,etc.
Alarm	Configurable setpoint

More information

Manual



More product info



Similar products



Subject to change

