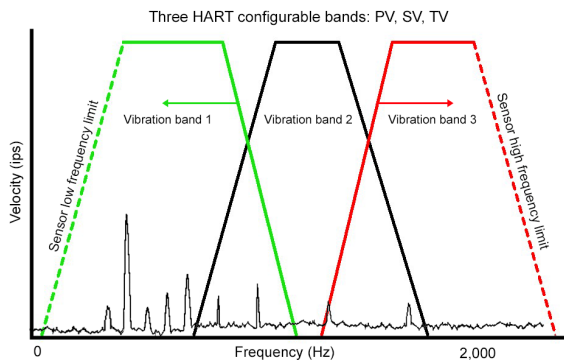


HART协议 4~20mA 2针接插件 加速度计

型号: PCH420V-R6

PCH420V系列传感器是具有4-20 mA输出的速率变送器，并且具有使用HART协议进行数字通信的附加功能。HART功能允许用户配置传感器，启用多点电缆安装并允许传感器直接与启用HART的DCS或PLC通信。好处是传感器可以由用户针对各种不同的量程范围和滤波器设置进行配置，减少所需的电缆连接以及与现有工厂基础设施的简单连接。数字传感器可以改善与工厂网络的连接，提高效率并简化有关机械健康状况的决策。

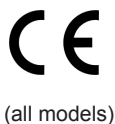


Device variables:
 PV - Vibration band 1
 SV - Vibration band 2
 TV - Vibration band 3

Model	Description
PCH420V-R6(-HZ)	4-20 mA + HART velocity sensor with 2 pin MIL-C-5015 connector
PCH420V-M12(-HZ)	4-20 mA + HART velocity sensor with 4 pin M12 connector

Note: Model numbers ending in -HZ are hazardous area certified sensors.

Certifications



-HZ models only:



Class I, Div 2
 Groups A, B, C, D
 Class I, Zone 2
 AEx/Ex nA nC IIC T4
 Tamb: -40°C to +105°C



II 3 G
 Ex nA nC IIC T4 Gc
 Ta = -40°C to +105°C



Key features

- 4-20 mA + HART 7.0输出
- 三个用户可配置频段
- 单点或多点循环安装
- 提供危险区域认证型号
- 远程配置和诊断
- 连接器选项：
2针MIL-C-5015 (-R6型号)
或M12 (-M12型号)
- 持续资产监控
- 在批准的ISO 9001设施中制造

The cable installed must be suitable for the installation temperature and the voltage of any intermingled circuits. • Connected cable must be of a type suitable for Zone 2 Hazardous Locations. • The connected cable and connector must provide a minimum ingress protection level of IP54, when assessed according to EN 60079-0 and EN 60079-15. Unused connector must be fitted with an appropriately rated blanking cover. • The connection must be made in a manner that cannot be separated without the use of a tool. • Where the installation requires that the Accelerometer enclosure be grounded, this is to be done using a metal mounting stud as described in document 13327-01, 13334-01, 13335-01 or 13336-01.

HART协议 4~20mA 2针接插件

加速度计

PCH420V-R6

SPECIFICATIONS

HART PARAMETERS

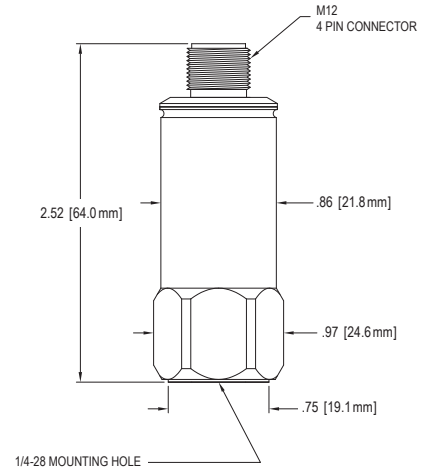
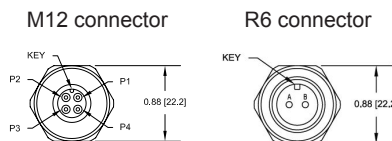
满量程速度输出, 20 mA, ±10%	0.5 - 5.0 in/sec, peak (12.7 - 127 mm/sec, peak)
可编程PV波段	low-pass high-pass band-pass (max 2, simultaneous)
HART分析带, 可独立编程: PV, SV, TV	RMS, peak, true peak
信号检测选项	10 Hz

SENSOR SPECIFICATIONS

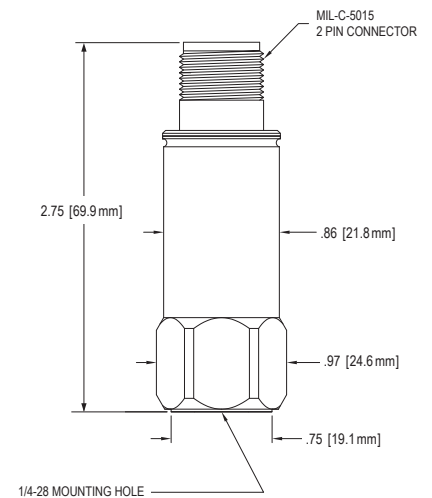
频率响应:	±10%	10 Hz - 1 kHz
	±3 dB	3.0 Hz - 1.95 kHz
Measurement accuracy at 25°C, 100 Hz, 1 ips full scale	±5%	
Power requirements, 2-wire loop power:		
Voltage, between pins A and B	12 - 30 VDC	
Current draw	3.8 - 22 mA	
Loop resistance ¹ at 24 VDC, max	600 Ω	
Turn on time, 4-20 mA loop	30 seconds	
Grounding	case isolated, internally shielded	
Temperature range	-40° to +105° C (-40° to +221°F)	
Vibration limit	500 g peak	
Shock limit	5,000 g peak	
Sealing	hermetic	
Sensing element design	PZT, shear	
Case material	316L stainless steel	
Mounting	1/4-28 tapped hole	
	-M12 models	-R6 models
Mating connector	4 pin, M12	2 pin, MIL-C-5015
Recommended cabling	J9T4A	J9T2A
Recommended connector	R75S	R6H series

Notes: ¹ Maximum loop resistance (R_L) can be calculated by: $R_L = \frac{V_{DC\ power} - 10.3\ V}{22.8\ mA}$
 HART communication requires min. 250Ω resistance.

Accessories supplied: SF6 mounting stud; calibration data; DD (Device Description) file is available for download



Function	Connector pin
loop positive	1
loop negative	2
N/C	3
N/C	4
ground	shell



Function	Connector pin
loop positive	A
loop negative	B
ground	shell