

LP922 Series

Nonincendive, CSA North America Class 1, Division 2, ATEX Zone 2, and IECEx Zone 2 Approved Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Top Exit 2 Pin Connector



Yekan
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Regulatory Information

CSA 221421
Ex nA IIC
DIP A22 IP6X T105°C
AEx nA IIC, CI, ZONE 2
AEx tD 22, IP6X T105°C
CI D2, Gr A-D, CII D2, Gr F,G, CIII
OPERATING TEMP CODE: T4
AMBIENT TEMP RANGE = -40°C TO +80°C
Control Drawing INS10035
Vmax = 28VDC, Imax = 100mA

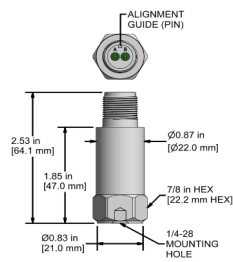
CSACa 24ATEX1004X
IECEx CSA 240015X
Ex ec IIC T* °C Gc
Ex tc IIC T135 °C Dc
Temperature code for gas for ambient range:
T4 for ambient range of -40 °C to +80 °C
T3 for ambient range of -40 °C to +121 °C
V = 28VDC I = 22mA

Approved Cabling: CB102, CB103*, CB111, CB190*, CB193*, CB296
(*Approved for Use in T4 Applications Only)

LP922-XXX-1B

2 Pin Connector

Connector Pin	Polarity
A	(+) Loop Power
B	(-) Loop Power Return

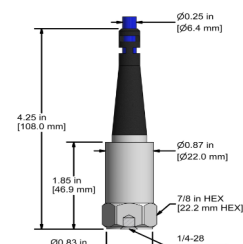


Built To Order

LP922-XXX-2C

Integral Cable (CB190)

Conductor	Polarity
Red	(+) Loop Power
Black	(-) Loop Power Return
Shield	Cable Drain Wire

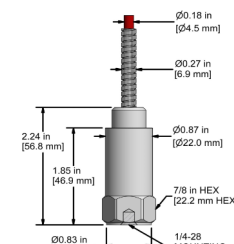


Built To Order

LP922-XXX-3C

Armored Integral Cable (CB206)

Conductor	Polarity
Red	(+) Loop Power
Black	(-) Loop Power Return
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP922	M/ or M8/LP922	Physical		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
Electrical			Weight	3.7 oz	105 grams
Settling Time	<60 Seconds		Case Material	316L Stainless Steel	
Voltage Source	12-28 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Environmental			Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Operating Temperature Range	-4 to 176 °F	-20 to 80 °C	Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				

Ordering Information

Stud Type	Sensor Type	Measurement Range	Type	Frequency Range ±3dB	Style	Armor Length (Integral)	Cable Length (Integral)
Blank = 1/4-28 M = M6x1 M8 = M8x1.25	902 = 4-20 mA Acceleration Loop Power, Intrinsically Safe 922 = 4-20 mA Acceleration Loop Power, Class I Div 2/Zone 2	0 = 0-1 g 2 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g	P = Peak R = RMS	1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz)	1B = 2 Pin MIL C-5015 2C = Integral Cable 3C = Armor Jacket	010 = 10 ft/3 m 020 = 20 ft/6 m 030 = 30 ft/9 m 050 = 50 ft/15 m 100 = 100 ft/30 m	010 = 10 ft/3 m 020 = 20 ft/6 m 030 = 30 ft/9 m 050 = 50 ft/15 m 100 = 100 ft/30 m

*Custom Lengths Available Upon Request