LP952 Series

Intrinsically Safe IEC Certified (IECEx) Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Top Exit 2 Pin Connector

VIBRATION ANALYSIS HARDWARE

CE
IECEx

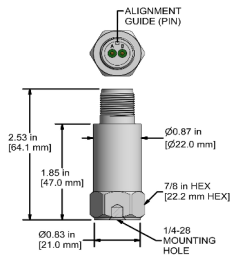
Product Features

Continuous Monitoring in Hazardous Locations

- Requires Energy Limiting Barriers such as IS111 or IS211 Series
- Works with Standard Cables
- IECEx Certification

LP952-XXX-1B
2 Pin Connector

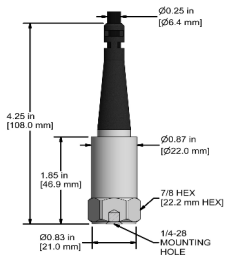
Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common



Built To Order

LP952-XXX-2C
Integral Cable (CB103)

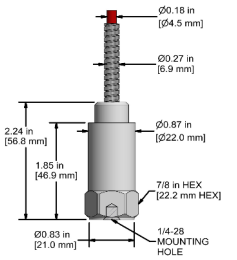
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

LP952-XXX-3C
Armored Integral Cable (CB206)

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric
Part Number	LP952	M/LP952
Tolerance: 4 mA	(± 10%)	
Tolerance: 20 mA	(± 10%)	
Electrical		
Settling Time	<60 Seconds	
Voltage Source (IEPE)	12-28 VDC	
Case Isolation	>10^8 ohm	
Environmental		
Temperature Range	-40 to 176°F	-40 to 80°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.7 oz	105 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (Non-Integral)	2 Pin MIL-C-5015	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

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Stud Type
Blank = ¼-28
M = M6x1

Sensor Type
952 = 4-20 mA Acceleration Loop Power, Intrinsically Safe (IECEx)
962 = 4-20 mA Acceleration Loop Power, Intrinsically Safe (IECEx), Low Capacitance

Measurement Range
00 = 0-1 g
02 = 0-2 g
05 = 0-5 g
10 = 0-10 g
20 = 0-20 g

Type
P = Peak
R = RMS

Frequency Range
1 = 600-60000 CPM (10-1000 Hz)
2 = 180-150000 CPM (3-2500 Hz)

Style
1B = 2 Pin MIL C-5015
2C = Integral Cable
3C = Armor Jacket

Integral Options

Armor Length (Integral)*
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

Cable Length (Integral)*
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