

LP832 Series



Low Capacitance, Class I, Division 2 (ATEX Zone 2) Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Top Exit 2 Pin Connector

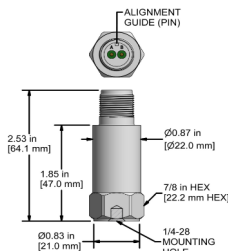


Product Features

- Continuous Monitoring in Hazardous Locations
- Acceleration 4-20 Output for Higher Frequency Applications
- ▶ Must Use "Class I, Division 2" CB190 Cable and D2Q Connector or CB922 Series Cable Adapter or Integral Cable
- ▶ Non-Arcing, Non-Sparking Sensor for Class I, Division 2
- ▶ Vibration Alarms for Process Control

LP832-XXX-1B 2 Pin Connector

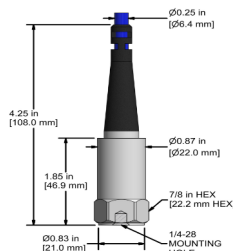
Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common



Built To Order

LP832-XXX-2C Integral Cable (CB190)

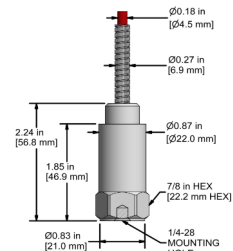
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

LP832-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	Specifications	Standard	Metric
Part Number	LP832		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	
Voltage Source (IEPE)	12-28 VDC		Case Material	Stainless Steel	
Case Isolation	>10 ⁸ ohm		Mounting	1/4-28	
Environmental			Connector (Non-Integral)	2 Pin MIL-C-5015	
Temperature Range	-40 to 176°F	-40 to 80°C	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Electromagnetic Sensitivity	CE		Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Sealing	Welded, Hermetic		Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

Stud Type	Sensor Type	Measurement Range	Range Type	Frequency Range	Style	Integral Options	
Blank = 1/4-28 M = M6x1	822 = 4-20 mA Velocity Loop Power, Class I Div 2 832 = 4-20 mA Velocity Loop Power, Class I Div 2, Low Capacitance	0 = 0-0.5 IPS (0-12.7 mm/sec) 1 = 0-1 IPS (0-25.4 mm/sec) 2 = 0-2 IPS (0-50.8 mm/sec) 3 = 0-10 mm/sec (0-0.4 IPS) 4 = 0-20 mm/sec (0-0.8 IPS)	P = Peak R = RMS	1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz)	1E = 2 Pin MIL C-5015 2E = Integral Cable 3E = Armor Jacket	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

Backed by our Unconditional Lifetime Warranty