

# LP832-XXX-5XC Series



VIBRATION ANALYSIS HARDWARE

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



## Product Features

- Continuous Monitoring in Hazardous Locations
- Velocity 4-20 mA Output for Applications in Hazardous Locations
- ▶ With 1 inch NPT fitting
- ▶ Non-Arcing, Non-Sparking Sensor for Class I, Division 2
- ▶ Enables Vibration Alarms for Process Control

### LP832-XXX-51C

1/4 inch NPT Mount

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common

Dimensions: 1-11.5 NPT, 2.50 in [63.5 mm], 1.75 in [44.5 mm],  $\phi$ 1.50 in [ $\phi$ 38.1 mm], 1/4-18 NPT MOUNTING STUD, 1.30 in [33.0 mm]

**Built To Order**

### LP832-XXX-52C

1/2 inch NPT Mount

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common

Dimensions: 1-11.5 NPT, 2.50 in [63.5 mm], 1.75 in [44.5 mm],  $\phi$ 1.50 in [ $\phi$ 38.1 mm], 1/2-14 NPT MOUNTING STUD, 1.30 in [33.0 mm]

**Built To Order**

Specifications	Standard	Metric	Specifications	Standard	Metric
Tolerance: 4 mA		( $\pm$ 10%)	<b>Physical</b>		
Tolerance: 20 mA		( $\pm$ 10%)	Sensing Element		PZT Ceramic
<b>Electrical</b>			Sensing Structure		Shear Mode
Settling Time	<60 Seconds		Weight	12 oz	340 g
Voltage Source (IEPE)	12-28 VDC		Case Material		316L Stainless Steel
Case Isolation	>10 <sup>8</sup> ohm		Mounting		1/4 NPT (LP832-51C) 1/2 NPT (LP832-52C)
<b>Environmental</b>			Connector (Non-Integral)		Flying Leads
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	Calibration Certificate		Current Output @ 100 Hz
Sealing		Welded, Hermetic			

Backed by our Unconditional Lifetime Warranty

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