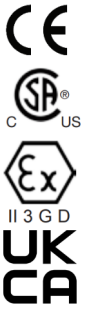


LP822-XXX-51C Series



VIBRATION ANALYSIS HARDWARE

Nonincendive, CSA North America Class 1, Division 2 and ATEX Zone 2 Approved Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Top Exit with Flying Leads



Product Features

CSA North America Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; Class III

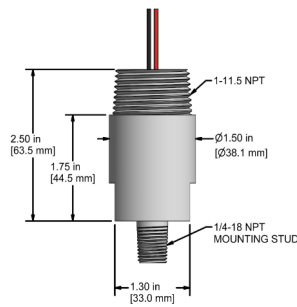
Outputs to PLC, DCS, SCADA

- ▶ Can be used with IS311-1B Explosion Proof Elbow
- ▶ NOTE: Class I, Division 2 / Ex nA IIC when installed using an approved Zone 2 / Division 2 rated cable in accordance with the CEC or the NEC.

LP822-XXX-51C

1/4 inch NPT Mount

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Tolerance: 4 mA	(± 10%)		Physical		
Tolerance: 20 mA	(± 10%)		Sensing Element		PZT Ceramic
Electrical			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 ⁸ ohm		Mounting Thread		1/4 NPT
Environmental			Connector (Non-Integral)		Flying Leads
Operating Temperature Range	-4 to 176 °F	-20 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			

Ordering Information

LP		-			-		
Sensor Type	Measurement Range		Type	Frequency Range ±3dB		Style	
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 = 0-0.4 IPS (0-10 mm/sec) 4 = 0-0.8 IPS (0-20 mm/sec)		P = Peak R = RMS	1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz)		51C = 1/4 in. NPT Mounting Stud 52C = 1/2 in. NPT Mounting Stud	

Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900