

LP401 Series

Dual Output Sensor, Loop Power, 4-20 mA, Velocity, Dynamic Velocity



PROTECTION & RELIABILITY INSTRUMENTS



Product Features

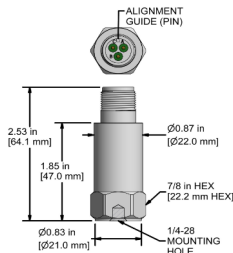
Offers Continuous Protection Plus Dynamic Outputs for Diagnostics

IEPE Sensor Power Not Required

- ▶ 4-20 mA Velocity and Dynamic Velocity Outputs
- ▶ Analytical Tool
- ▶ Outputs to PLC, DCS, SCADA

LP401-XXX-1B

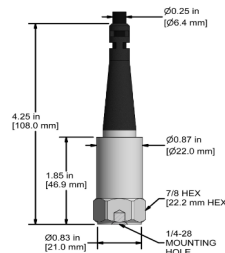
Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common
C	(+) Dynamic Velocity Output



Built To Order

LP401-XXX-2C

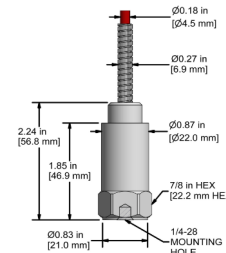
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
White	(+) Dynamic Velocity Output
Shield	Cable Drain Wire



Built To Order

LP401-XXX-3C

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP401	M/LP401	Physical		
Tolerance: 4 mA		(± 5%)	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 (IEPE)	12-28 VDC		Mounting	1/4-28	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	3 Pin MIL-C-5015	
Environmental			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Temperature Range	-40 to 185°F	-40 to 85°C	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	CA10	
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	60 m			

Ordering Information

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Stud Type Blank = ¼-28 M = M6x1	Measurement Range 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)	Range Type P = Peak R = RMS	Frequency Range ±3 dB 1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz)	Style 1E = 2 Pin MIL C-5015 2E = Integral Cable 3E = Armor Jacket	Integral Options <table border="1"> <thead> <tr> <th>Armor Length (Integral)</th> <th>Cable Length (Integral)</th> </tr> </thead> <tbody> <tr> <td>010 = 10 ft/3 m</td> <td>010 = 10 ft/3 m</td> </tr> <tr> <td>020 = 20 ft/6 m</td> <td>020 = 20 ft/6 m</td> </tr> <tr> <td>030 = 30 ft/9 m</td> <td>030 = 30 ft/9 m</td> </tr> <tr> <td>050 = 50 ft/15 m</td> <td>050 = 50 ft/15 m</td> </tr> <tr> <td>100 = 100 ft/30 m</td> <td>100 = 100 ft/30 m</td> </tr> </tbody> </table>		Armor Length (Integral)	Cable Length (Integral)	010 = 10 ft/3 m	010 = 10 ft/3 m	020 = 20 ft/6 m	020 = 20 ft/6 m	030 = 30 ft/9 m	030 = 30 ft/9 m	050 = 50 ft/15 m	050 = 50 ft/15 m	100 = 100 ft/30 m	100 = 100 ft/30 m
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*Custom Lengths Available Upon Request																		

Lifetime Warranty on Materials & Workmanship

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