

# LP202 Series

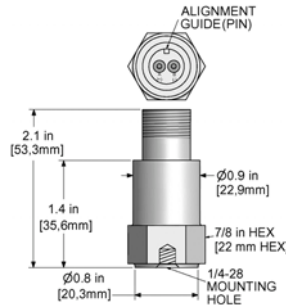
## Loop Power Sensor, Velocity, 4-20 mA Output, Top Exit Connector / Cable



### LP202-XXX-1A

#### 2 Pin Connector

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



### LP202-XXX-2A

#### Integral Cable

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



### LP202-XXX-3A

#### Armored Integral Cable

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



**How To Order** - Select the desired parameters using the selection guide below.

**Example Part #:** LP202-1R2-1A (Supplied with 1/4-28 Stud)

**Example Metric Part #:** M/LP202-1R2-1A (Supplied with M6x1 Adapter Stud)

**Example Integral Cable Part #:** LP202-1R2-2A/010-Z (Supplied with 1/4-28 Stud)

### Selection Guide

Part #:  / LP202 -  -  A /  -  - Z

Stud Type ← Measurement Range ← Range Type ← Frequency Range +/-3dB ← Style ← Cable Length ←

<b>M</b> = Metric <small>(Blank for 1/4-28)</small>	<b>0</b> = 0-0.5 IPS (0-12,7 mm/sec) <b>1</b> = 0-1 IPS (0-25,4 mm/sec) <b>2</b> = 0-2 IPS (0-50,8 mm/sec) <b>3</b> = 0-10 mm/sec (0-0,4 IPS) <b>4</b> = 0-20 mm/sec (0-0,8 IPS)	<b>R</b> = RMS <b>P</b> = Peak	<b>1</b> = 600-60,000 CPM (10-1000 Hz) <b>2</b> = 180-150,000CPM (3-2500 Hz)	<b>1</b> = 2 Pin MIL (C-5015) <b>2</b> = Integral Cable, CB103 <b>3</b> = Integral Cable, CB106 armor jacket	<b>010</b> = 10 ft. (3 m) <b>020</b> = 20 ft. (6 m) <b>030</b> = 30 ft. (9 m) <b>050</b> = 050 ft. (15 m) <b>100</b> = 100 ft. (30 m) <small>* Custom Lengths Available Upon Request</small>
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**For Integral Cable Sensors Add this Section / Select Length**

Performance Specifications	English	Metric	Physical	English	Metric
Output, 4-20 mA			Sensing Element	PZT Ceramic	PZT Ceramic
Measurement Range	See Selection Guide	See Selection Guide	Sensing Structure	Shear Mode	Shear Mode
<b>Electrical</b>			Weight (without cable)	2.9 oz.	82 grams
Settling Time (Turn on Time) @ Room Temp (68°F/20°C)	<60 Seconds	<60 Seconds	Case Material	316L Stainless Steel	316L Stainless Steel
Power Requirement (Loop Powered) Voltage Source	15-30 VDC	15-30 VDC	Mounting Hole	1/4-28	1/4-28
Electrical Case Isolation	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm	Connector (LP202-XXX-1A)	2 Pin MIL-C-5015	2 Pin MIL-C-5015
<b>Environmental</b>			Integral Cable (LP202-XXX-2A)	CB103	CB103
Temperature Range	-40 to 185° F	-40 to 85° C	Armored Cable (LP202-XXX-3A)	CB206, Armor Jacket	CB206, Armor Jacket
Electromagnetic Sensitivity	CE	CE	<b>Mechanical</b>		
Sealing	Welded, Hermetic	Welded, Hermetic	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Submersible Depth (LP202-XXX-2A)	500 ft.	152 m	<b>Supplied Accessories</b>		
			Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate	Current Output @ 100 Hz	Current Output @ 100 Hz

For optional accessories, please see the *Sensor Accessory Selection Chart*.



VIBRATION ANALYSIS HARDWARE