**SPECIFICATIONS** 



# **RMS** and peak velocity loop powered sensors FM-LPS-420 Series

## **Features**

- RMS or peak output
- Compact housing for applications with height restrictions
- Easily integrated into existing process control systems
- Manufactured in an approved ISO 9001 facility

### ORDERING INFORMATION

FM-LPS-420-XX-X-W		
XX (Range)	X (Measurement unit)	
<b>10B</b> = 0-10		
<b>20B</b> = 0-20	R = RMS (mm/sec)	
<b>25B</b> = 0-25	P = peak (mm/sec)	
<b>50B</b> = 0-50		

Output	4-20 mA DC proportional to RMS velocity (mm/s) 4-20 mA DC proportional to peak velocity (mm/s) (optional)
Frequency response:	
±10%	10 Hz - 1.0 kHz
±3 dB	3.5 Hz - 2.0 kHz
Supply voltage	12-32 VDC
Grounding	Case isolated, internally shielded
Vibration limit	250 g peak
Shock limit	2500 g peak
Operating temperature	

 Case material
 316L stainless steel

 IP class
 IP68

 Weight
 120 grams

 Turn on time, 4-20 mA loop
 30 seconds

 Mounting hardware
 1/4-28 UNF X M6 x 1

 Output connector
 2-pin MIL-C-5015

hermetic

#### **TYPICAL CONNECTIONS**

Function	Connector pin
Loop positive (+)	Α
Loop negative (-)	В

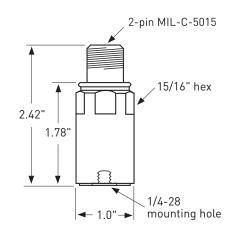
Sealing.....

Transverse sensitivity, max.....

Accuracy .....

## **MODEL CODES**

Model	Description
FM-LPS-420-10B-R-W	Loop powered sensor with 10 mm/s RMS measurement range
FM-LPS-420-20B-R-W	Loop powered sensor with 20 mm/s RMS measurement range
FM-LPS-420-25B-R-W	Loop powered sensor with 25 mm/s RMS measurement range
FM-LPS-420-50B-R-W	Loop powered sensor with 50 mm/s RMS measurement range
FM-LPS-420-10B-P-W	Loop powered sensor with 10 mm/s peak measurement range
FM-LPS-420-20B-P-W	Loop powered sensor with 20 mm/s peak measurement range
FM-LPS-420-25B-P-W	Loop powered sensor with 25 mm/s peak measurement range
FM-LPS-420-50B-P-W	Loop powered sensor with 50 mm/s peak measurement range



Full scale, 20 mA, ±5%



