

Model BI-5701L



BERAN

Proven Condition Monitoring Solutions

100mV/g Accelerometer with 4-20mA Velocity Output

- Dual output, top exit
- 0-50mm/s RMS velocity output
- Connector or integral cable options
- Shear mode design reduces sensitivity to base strain and thermal transients
- Ground isolated



Performance

Output 1 (Dynamic Acceleration)	
Sensitivity (+/-10%)	100mV/g
Frequency response (+/-3dB)	2 - 15000Hz

Output 2 (Loop Velocity)	
Loop output	4 - 20mA
Measurement Range	0 - 50mm/s RMS

Electrical

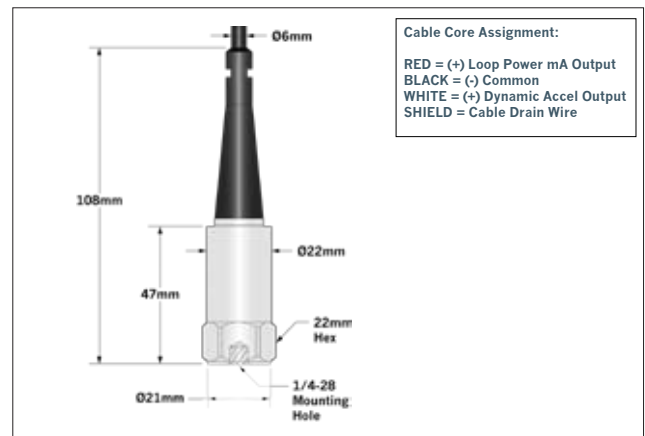
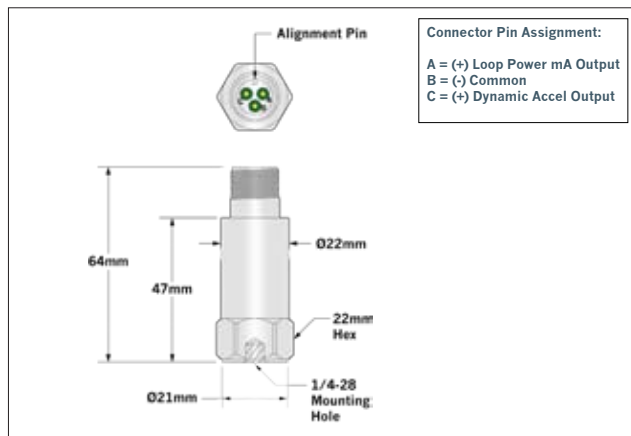
Voltage source (Loop powered)	12 - 28VDC
Grounding	Case isolated Internally screened
Settling time	<60 seconds

Environmental

Temperature range	-40 to +85 Deg C
Sealing	Welded, Hermetic

Physical

Sensing element	PZT ceramic
Sensing structure	Shear mode
Weight	105 grams
Case Material	316L stainless steel
Mounting	1/4-28 tapped hole
Mounting torque	3 to 6.5 Nm
Mounting hardware (metric)	M6 x 1 adaptor stud
Mounting hardware (imperial)	1/4-28 adaptor stud
Output connector	3 pin, MIL-C-5015 style
International compliance	CE



Ordering Information

BI-5701L-□□-□□□□-□□

Interface option 0 = Connector 1 = Integral cable	Mounting stud 0 = Metric (M6) 1 = Imperial (1/4-28)	Cable length Metric (meters) = xxxM Imperial (feet) = xxxF	Cable termination 00 = No termination
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