

Model BI-5162A



100mV/g Small Industrial Accelerometer

- Side exit
- +/- 50g dynamic range
- Connector or integral cable options
- Shear mode design reduces sensitivity to base strain and thermal transients
- Ground isolated



Actual Size

Performance

Sensitivity (+/-15%)	100mV/g
Acceleration range	±50g peak
Frequency response (+/-3dB)	0.6 · 10000Hz

Environmental

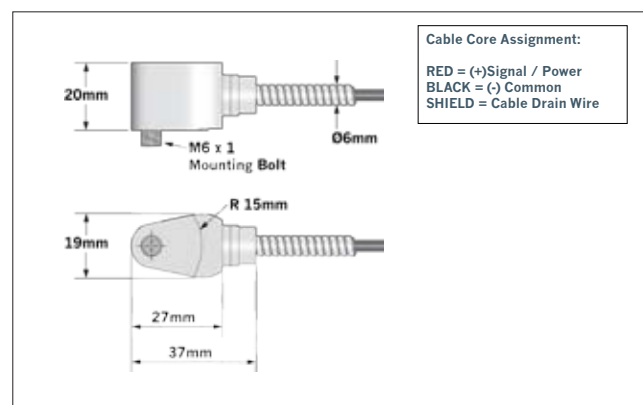
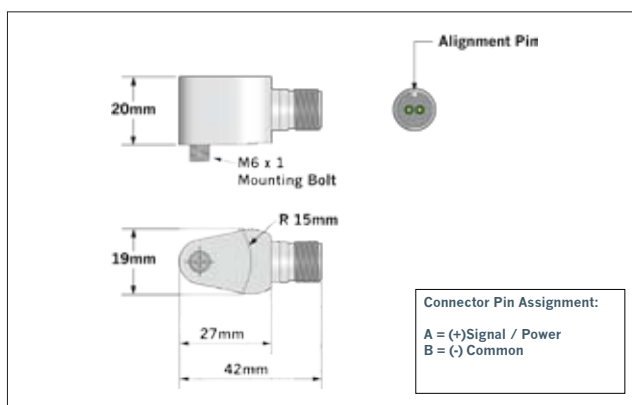
Temperature range	-50 to +120 Deg C
Shock limit	5000g peak
Sealing	Welded, Hermetic

Electrical

Voltage source	18 · 30VDC
Constant current source	2 · 10mA
Spectral noise @ 10Hz	27µg/√Hz
Spectral noise @ 100Hz	6.5µg/√Hz
Spectral noise @ 1000Hz	2.5µg/√Hz
Output impedance	<100 ohm
Bias output voltage	7 · 14VDC
Grounding	Case isolated Internally screened
Settling time	<2.5 seconds

Physical

Sensing element	PZT ceramic
Sensing structure	Shear mode
Weight	60 grams
Case Material	316L stainless steel
Mounting torque	3 to 6.5 Nm
Mounting hardware (metric)	M6 x 1 captive bolt
Mounting hardware (imperial)	1/4-28 captive bolt
Output connector	2 pin, Miniature
International compliance	CE



Ordering Information

Interface option
 0 = Connector
 1 = Integral cable
 2 = Armoured cable

Mounting bolt
 0 = Metric (M6)
 1 = Imperial (1/4-28)

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Cable length
 Metric (meters) = xxxM
 Imperial (feet) = xxxF

Cable termination
 00 = No termination
 01 = BNC Plug
 02 = BNC Jack (Skt)
 03 = MIL-C-5015 termination