## High temperature accelerometer

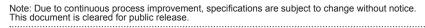


## **SPECIFICATIONS**

Sensitivity, ±10%, 25°C	100 mV/g	
Acceleration range	50 g peak	
Amplitude nonlinearity	1%	
Frequency response: ±5%	4 - 5,000 Hz	
±10%	3 - 7,000 Hz	
±3 dB	1 - 12,000 Hz	
Resonance frequency	25 kHz	
Transverse sensitivity, max	5% of axial	
Temperature response: -50°C	<b>-5%</b>	
0°C	+2%	
+120°C	<b>–5%</b>	
Power requirement:	49 20 VDC	
Voltage source Current regulating diode	18 - 30 VDC 2 - 4 mA	
Electrical noise, equiv. g:	2 - 4 IIIA	
Broadband 2.5 Hz to 25 kHz	0.03 mg	
2.0 Hz to 20 KHz	at 25°C: at 150°C:	
Spectral 10 Hz	10 μg/√Hz 30 μg/√Hz	
100 Hz	3 μg/√Hz 10 μg/√Hz	
1,000 Hz	2 μg/√Hz 6 μg/√Hz	
Output impedance, max	100 Ω	
Bias output voltage: 25°C	12 VDC	
150°C	11 VDC	
Grounding	case isolated, internally shielded	
Temperature range (mounting surface)	–50° to +150°C	
Vibration limit	500 g peak	
Shock limit	2,500 g peak	
Electromagnetic sensitivity, equiv. g	15 μg/gauss	
Sealing	hermetic	
Base strain sensitivity	0.0005 g/µstrain	
Sensing element design	PZT, compression	
Weight	135 grams	
Case material	316L stainless steel	
Mounting	1/4-28 tapped hole	
Output connector	2 pin, MIL-C-5015 style	
Mating connector	R6 type	
Recommended cabling	J9T2A	

Accessories supplied: SF6 mounting stud; calibration data (level 3)



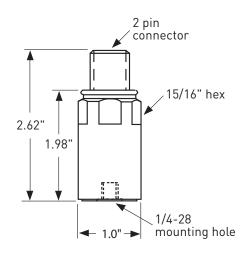






## **Key features**

- 150°C operation
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin / cable conductor
power/signal	A / white
common	B / black
ground	shell / shield