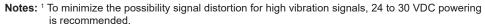
## Internally amplified helicopter accelerometer





Sensitivity, ±5%, 25°C	20 mV/g
Acceleration range	250 g peak
Amplitude nonlinearity	1%
Frequency response: ±5% ±10% ±3 dB	1.0 - 4,000 Hz 0.7 - 6,000 Hz 0.4 - 12,000 Hz
Resonance frequency, mounted, nominal	30 kHz
Transverse sensitivity, max	5% of axial
Temperature response: -55°C +120°C	–20% +10%
Power requirement: Voltage source <sup>1</sup> Current regulating diode <sup>2</sup>	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	1,600 µg rms 18 µg/√Hz 10 µg/√Hz 9 µg/√Hz
Output impedance, max	100 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated
Temperature range	–50° to +120°C
Vibration limit	250 g peak
Shock limit	1,000 g peak
Electromagnetic sensitivity, equiv. g	70 μg/gauss
Weight	78 grams
Case material	stainless steel
	1/4-28 x 0.38" integral stud
Mounting	1/4-20 X 0.30 Integral stud
Mounting Output connector	3-pin, MIL-C-26482 style



<sup>&</sup>lt;sup>2</sup> The higher level constant current sources should be used when driving long cables (please consult customer service). A maximum current of 6 mA is recommended for operating temperatures in excess of 100°C.

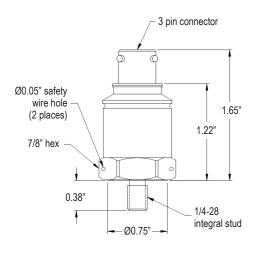
Accessories supplied: Calibration data





## **Key features**

· Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
case	А
common	В
power/signal	С

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.