Internally amplified helicopter accelerometer





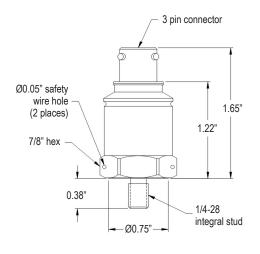
SPECIFICATIONS

Sensitivity, ±5%, 25°C		40 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	±5%	2 - 5,000 Hz
	±10% ±3 dB	1 - 9,000 Hz 0.5 - 14,000 Hz
Resonance frequency, moun		30 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	–50°C	–20%
	+120°C	+10%
Power requirement:		
Volta	age source	9 VDC, 700 μA, max.
Electrical noise, equiv. g, no		
	z to 25 kHz	70 μg
Spectral	10 Hz	5.0 μg/√Hz
	100 Hz	0.8 μg/√Hz
	1,000 Hz	0.5 μg/√Hz
Output impedance		100 Ω
Bias output voltage, nomina	l	4.2 ±0.5 VDC
Grounding		case isolated
Temperature range		–50° to +120°C
Vibration limit		250 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g		70 μg/gauss
Weight		70 grams
Case material		316L stainless steel
Mounting		1/4-28 x 0.38" integral stud
Output connector		3-pin, MIL-C-26482 style
Mating connector		R4
Recommended cabling		J9T2, two conductor shielded, Tefzel® jacket, 30 pF/ft

Wilcoxon
Finderia, No Ush
MODEL HA100
SN: 202011
40 mV/g NOM

Key features

• Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
9 VDC	Α
signal out	В
common	С

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

Accessories supplied: 80360-01 mounting stud; calibration data