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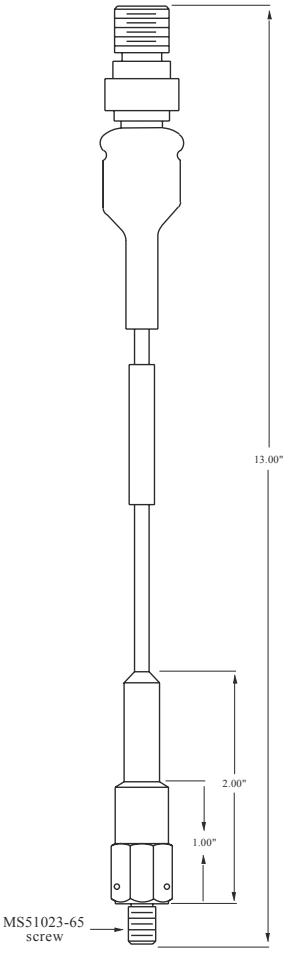
ALTHERIS SENSORS & CONTROLS

Model 992-1
Single axis accelerometer with

Features
- Low noise
- Safety wire hole on case
- Compatible with helicopter systems



Dynamic

Sensitivity, ±10% @100 Hz	10 mV/g
Frequency range:	
±1 dB	2 Hz - 15 kHz
±1.5 dB	2 Hz - 20 kHz
Phase shift, absolute	<6° @2.5 Hz
Phase shift, relative	±2° max. @2.5 Hz
Amplitude linearity:	
±1.0%	to 100 g
±1.5%	to 300 g
Vibration limit	500 g peak
Transverse sensitivity, max	5%

Electrical

Power requirement	2 mA ±5% at a reference of 18 - 30 VDC
Electrical noise, equivalent.g, nominal:	
Broadband 2.5Hz to 25kHz	0.002g
Spectral noise, nominal:	
10 Hz	40 µg/√Hz
100 Hz	20 µg/√Hz
1000 Hz	8 µg/√Hz

Environmental

Temperature range[1]	-35 °C to 100 °C
Shock limit	10,000 g peak
Electromagnetic sensitivity	<300 µg/gauss
Base strain sensitivity	<0.005 g/µstrain
Acoustic sensitivity	<0.004 g/ 100 dB SPL

Physical

Output impedance	600 Ω
Bias voltage	8 VDC, ±1.5 VDC
Resonance, nominal	35 kHz
Weight	45 grams
Case material	stainless steel
Electrical isolation	case isolated
Mounting	1/4 - 28 UNF
Cable	two conductors, with 100% overall shield
Connector	PC01A-8-4P

Notes: [1] ±15% max change in sensitivity over temperature range
Accessories supplied: MS 51023-65 mounting screw epoxied in place

Connections

Pinout	Function
A	signal/power
B	no connection
C	no connection
D	common
Shell	shield

Export classification: USML VIII (h)