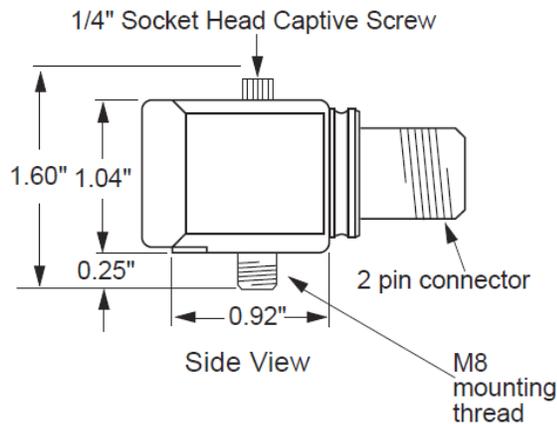
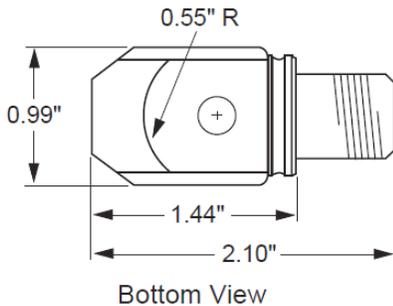


Low profile industrial accelerometer 787AM8-IS



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

Key features

- Corrosion resistant
- Hermetically sealed
- Ground isolated
- ESD protection
- Reverse wiring protection
- Mounts in any orientation
- Hazardous area certified - intrinsically safe
- Ideal for low-clearance mounting locations, rugged industrial environments, and conveyors and drives

Certifications



Class I, Div 1 Groups A, B, C, D
Class II, Div 1 Groups E, F, G
Class III, Div 1
Class I, Zone 0, Ex ia IIC T4
Class I, Zone 0, Aex ia IIC T4



Ex ia IIC T4 Ga



For hazardous area locations, sensor must be installed in accordance with installation instructions or local code requirements. Electrical safety barrier required for hazardous area installations.



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

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Wilcoxon Sensing Technologies
An Amphenol Company

Low profile industrial accelerometer 787AM8-IS

SPECIFICATIONS

Sensitivity, $\pm 5\%$, 25° C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	$\pm 10\%$ 1.0 - 5,000 Hz ± 3 dB 0.7 - 10,000 Hz
Resonance frequency, mounted, min	22 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	-25° C -10% +120° C +10%
Voltage source	18 - 28 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g, nominal:	
Broadband 2.5 Hz to 25 kHz	700 μ g
Spectral 10 Hz	10 μ g/ \sqrt Hz
100 Hz	5 μ g/ \sqrt Hz
1000 Hz	5 μ g/ \sqrt Hz
Output impedance, max	100 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated, internally shielded
Temperature range	-50 to +120° C
Vibration limit	500 g peak
Shock limit, min	5,000 g peak
Electromagnetic sensitivity, equiv g, max	70 μ g/gauss
Sealing	hermetic
Base strain sensitivity, max	0.002 g/ μ strain
Weight	145 grams
Case material	316L stainless steel
Mounting	M8 captive hex head screw with 0.046" diameter safety wire hole
Output connector	2 pin, MIL-C-5015 style
Mating connector	R6 type
Recommended cabling	J10 / J9T2A

Contact

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Accessories supplied:

- SCM8125 captive hex head screw
- Calibration data

Optional accessories:

ISBS-STD-08: MTL 7728 + safety barrier

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