



785A
Industrial accelerometers

SPECIFICATIONS

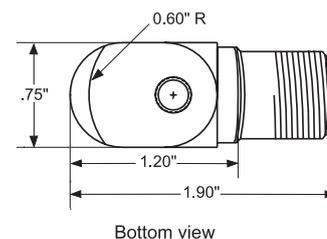
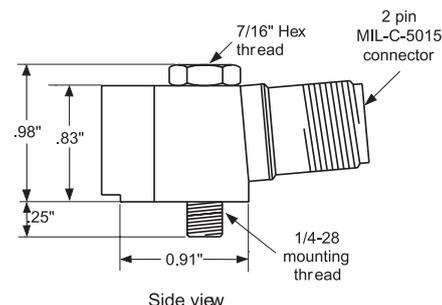
Sensitivity, ±10%, 25°C		100 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	±10%	2 - 8,000 Hz
	±3 dB	1 - 12,000 Hz
Resonance frequency, mounted, min		30 kHz
Transverse sensitivity, max		5% of axial
Temperature response:		
	-50°C	-10%
	+120°C	+7%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g, nominal:		
Broadband	2.5 Hz to 25 kHz	1,260 µg
Spectral	10 Hz	11 µg/√Hz
	100 Hz	6 µg/√Hz
	1,000 Hz	6 µg/√Hz
Output impedance		100 Ω
Bias output voltage, nominal		12 VDC
Grounding		case isolated, internally shielded
Temperature range		-50° to +120°C
Vibration limit		500 g
Shock limit, min		5,000 g
Sealing		hermetic
Base strain sensitivity, max		0.002 g/µstrain
Weight		85 grams
Case material		316L stainless steel
Mounting		1/4-28 captive hex head screw, 0.046" diameter safety wire hole
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type
Recommended cabling		J10 / J9T2A

Accessories supplied: Calibration data (level 3)



Key features

- Low profile
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	A
common	B
case	shell



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

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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