

Industrial accelerometer

785A

SPECIFICATIONS

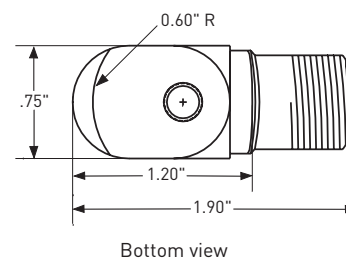
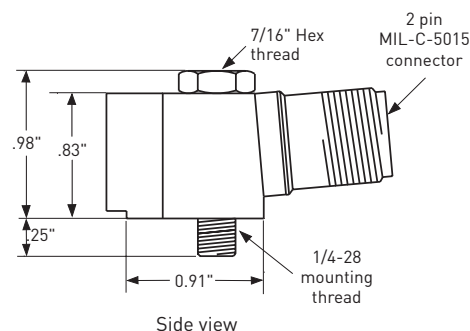
Sensitivity, $\pm 10\%$, 25°C		100 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	$\pm 10\%$	2 - 8,000 Hz
	± 3 dB	1 - 12,000 Hz
Resonance frequency, mounted, min		30 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	-50°C	-10%
	+120°C	+7%
Power requirement:		
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 μ g
Spectral	10 Hz	11 μ g/ $\sqrt{\text{Hz}}$
	100 Hz	6 μ g/ $\sqrt{\text{Hz}}$
	1,000 Hz	6 μ g/ $\sqrt{\text{Hz}}$
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/ μ strain
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.