

Industrial accelerometer

785A



Via Italo Calvino 7
Lotto 1 - Edificio A13-14
20017 Rho (MI)

Tel. +39 02 36569371
info@danetech.it
www.danetech.it

SPECIFICATIONS

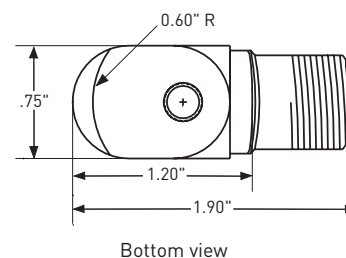
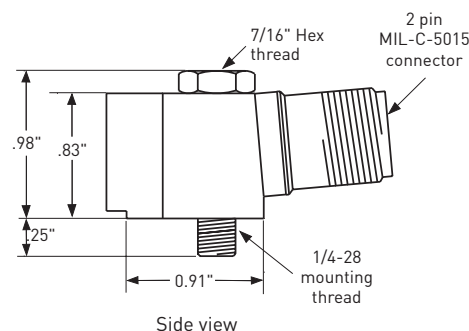
Sensitivity, $\pm 10\%$, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	$\pm 10\%$ 2 - 8,000 Hz ± 3 dB 1 - 12,000 Hz
Resonance frequency, mounted, min	30 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	-50°C -10% +120°C +7%
Power requirement: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