

# General purpose accelerometer

## 786A-I

**Danetech srl**  
Via Italo Calvino 7  
Lotto 1 - Edificio A13-14  
20017 Rho (MI)  
Tel. +39 02 36569371  
info@danetech.it  
www.danetech.it



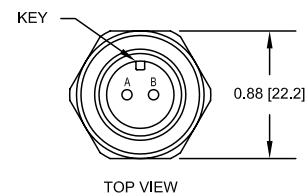
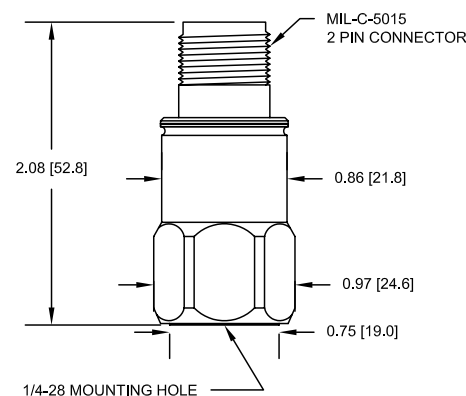
### SPECIFICATIONS

Sensitivity, $\pm 5\%$ , 25°C	10 mV/g
Acceleration range, VDC > 25 V	500 g peak
Amplitude nonlinearity	1%
Frequency response:	
$\pm 5\%$	3 - 5,000 Hz
$\pm 10\%$	1 - 9,000 Hz
$\pm 3$ dB	0.5 - 14,000 Hz
Resonance frequency	30 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	
-25°C	-10%
+120°C	+10%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	4,000 $\mu$ g
Spectral 10 Hz	25 $\mu$ g/ $\sqrt{\text{Hz}}$
100 Hz	23 $\mu$ g/ $\sqrt{\text{Hz}}$
1,000 Hz	23 $\mu$ g/ $\sqrt{\text{Hz}}$
Output impedance, max	100 $\Omega$
Bias output voltage	12 VDC
Grounding	case isolated, internally shielded
Temperature range	-50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g, max	70 $\mu$ g/gauss
Sealing	hermetic
Base strain sensitivity, max	0.0002 g/ $\mu$ strain
Sensing element design	PZT, shear
Weight	90 grams
Case material	316L stainless steel
Mounting	1/4-28 UNF tapped hole
Output connector	2 pin, MIL-C-5015 style
Recommended cabling	J10 / J9T2A

Accessories supplied: SF6 mounting stud; calibration data (level 2)

### Key features

- High amplitude range
- Manufactured in ISO 9001 facility



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



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