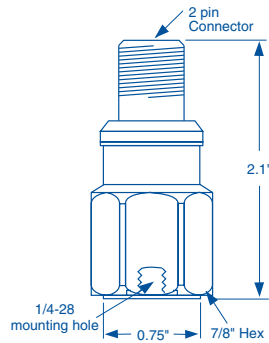




**FEATURES:**

- Rugged design
- Corrosion resistant
- Hermetic seal
- Case isolated
- ESD protection
- Reverse wiring protection



## Model 786A

Standard, General Purpose Accelerometer

**DYNAMIC**

Sensitivity, $\pm 5\%$ , 25°C .....	100 mV/g
Acceleration Range .....	80 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 .....	-50°C    -5%
	+120°C   +5%

**ELECTRICAL**

Power Requirement:	voltage source .....	18 - 30 VDC
	current regulating diode .....	2 - 10 mA
Electrical Noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz .....	700 $\mu$ g
Spectral	10 Hz .....	10 $\mu$ g/ $\sqrt{\text{Hz}}$
	100 Hz .....	5 $\mu$ g/ $\sqrt{\text{Hz}}$
	1000 Hz .....	5 $\mu$ g/ $\sqrt{\text{Hz}}$
Output Impedance, max. ....		100 $\Omega$
Bias Output Voltage .....		12 VDC
Grounding .....		case isolated, internally shielded

**ENVIRONMENTAL**

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

**PHYSICAL**

Sensing Element Design .....	PZT ceramic / shear
Weight .....	90 grams
Case Material .....	316L stainless steel
Mounting .....	1/4 - 28 UNF tapped hole
Output Connector .....	2 pin, MIL-C-5015 style
Mating Connector .....	R6 type
Recommended Cabling .....	J10 / J9T2A

**CONNECTOR PIN**

SHELL	ground
A	power/ signal
B	common

**ACCESSORIES SUPPLIED:** SF6 mounting stud (International customers specify mounting requirements); Calibration data (level 2).

