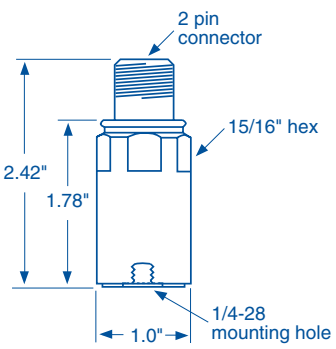




FEATURES:

- Corrosion resistant
- Ground isolated
- Rugged design
- Hermetic seal
- ESD protection
- Miswiring protection
- Mounts in any orientation



Model 793

Premium, General Purpose Accelerometer

DYNAMIC

Sensitivity, ±5%, 25°C	100 mV/g
Acceleration Range	80 g peak
Amplitude Nonlinearity	1%
Frequency Response:	
±5%	1.5 - 5,000 Hz
±10%	1.0 - 7,000 Hz
±3 dB	0.5 - 15,000 Hz
Resonance Frequency	25 kHz
Transverse Sensitivity, max.	5% of axial
Temperature Response	-50°C -10%
	+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	600 µg
Spectral	10 Hz	8 µg/√Hz
	100 Hz	5 µg/√Hz
	1000 Hz	5 µg/√Hz
Output Impedance, max		100 Ω
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
Sealing	Hermetic
Base Strain Sensitivity	0.0005 g/µstrain

PHYSICAL

Sensing Element Design	PZT ceramic / compression
Weight	112 grams
Case Material	316L stainless steel
Mounting	¼ - 28 tapped hole
Output Connector	2 pin, MIL-C-5015 style
Mating Connector	R6 type
Recommended Cable	J10 / J9T2A

CONNECTOR PIN	FUNCTION
SHELL	ground
A	power/ signal
B	common

ACCESSORIES SUPPLIED: SF6 mounting stud (International customers specify mounting requirements); Calibration data (level 3).

OPTIONS: Intrinsic safety certifications.

