Model 793L
Low Frequency Accelerometer

DYNAMIC

Sensitivity, ±5%, 25°C	500 mV/g	
Acceleration Range	10 g peak	
Amplitude Nonlinearity	1%	
Frequency Response:		
–5%	0.6 - 700 Hz	
–10%	0.4 - 1,000 Hz	
–3 dB	0.2 - 2,300 Hz	
Resonance Frequency	15 kHz	
Transverse Sensitivity, max.	5% of axial	
Temperature Response	–50°C	–10%
	+120°C	+10%

ELECTRICAL

Power Requirements: voltage source	18 - 30 VDC
current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	8.0 µg
Spectral 2 Hz	2.0 µg/√Hz
10 Hz	0.4 µg/√Hz
100 Hz	0.2 µg/√Hz
Output Impedance, max.	100Ω
Bias Output Voltage	10 VDC
Grounding	case isolated, internally shielded

ENVIRONMENTAL

Temperature Range	–50 to 120°C
Vibration Limit	250 g peak
Shock Limit	5,000 g peak
Electromagnetic Sensitivity, equiv. g.	20 µg/gauss
Sealing	Hermetic
Base Strain Sensitivity	0.0001 g/µstrain

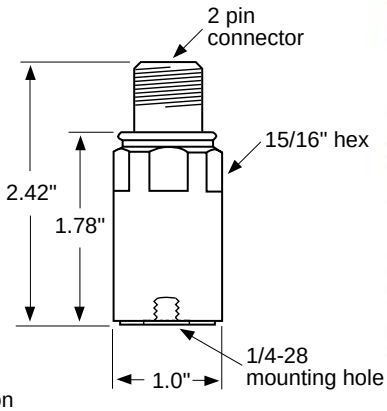
PHYSICAL

Sensing Element Design	PZT ceramic / compression
Weight	142 grams
Case Material	316L stainless steel
Mounting	¼-28 tapped hole
Output Connector	2 pin, MIL-C-5015 style
Mating Connector	R6 type
Recommended Cabling	J9T2A

CONNECTOR PIN	FUNCTION	CABLE CONDUCTOR COLOR
SHELL	ground	Shield
A	power/ signal	White
B	common	Black

FEATURES:

- High sensitivity
- Ultra low-noise electronics for clear signals at very low vibration levels
- Low pass filtered to attenuate high frequencies
- Hermetic seal
- ESD protection
- Miswiring protection



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

OPTIONS: Temperature sensor
Intrinsic safety certification

FM APPROVED

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