

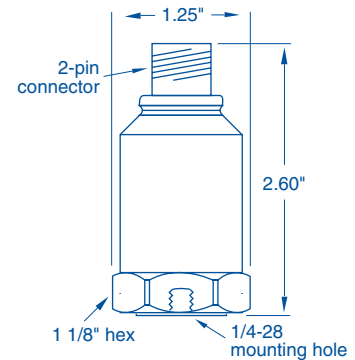
Model 799LF

Premium, Low Frequency, Filtered Accelerometer



FEATURES:

- High sensitivity
- Ultra low-noise electronics for clear signals at very low vibration levels
- Optimized for 15V supply
- Low pass filtered to eliminate high frequencies
- Hermetic sealing
- ESD protection
- Miswiring protection
- Reverse wiring protection



DYNAMIC

Sensitivity, ±5%, 25°C	500 mV/g
Acceleration Range	10 g peak
Amplitude Nonlinearity	1%
Frequency Response:	
-5%	0.3 - 1,200 Hz
-10%	0.2 - 1,600 Hz
-3 dB	0.1 - 2,500 Hz
Resonance Frequency	18 kHz
Transverse Sensitivity, max	5% of axial
Temperature Response	-50°C -7%
	+120°C +5%

ELECTRICAL

Power Requirement:	voltage source	15 - 30 VDC
	current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:		
Spectral	0.10 Hz	15 µg/√Hz
	1 Hz	3 µg/√Hz
	10 Hz	1 µg/√Hz
	100 Hz	1 µg/√Hz
Output Impedance, max.		400 Ω
Bias Output Voltage		8.0 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	150 µg/gauss
Sealing	Hermetic
Base Strain Sensitivity	0.0005 g/µstrain

PHYSICAL

Sensing Element Design	PZT ceramic / shear
Weight	205 grams
Case Material	316L stainless steel
Mounting	1/4-28 tapped hole
Output Connector	2 pin, MIL-C-5015 style
Mating Connector	R6 type
Recommended Cable	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).

