Low-frequency accelerometer

786-500

SPECIFICATIONS

Sensitivity, ±5%, 25°C	500 mV/g
Acceleration range, VDC > 22 V	10 g peak
Amplitude nonlinearity	1%
Frequency response ¹ : ±5° ±10° ±3 d	% 0.5 - 9,000 Hz
Resonance frequency	30 kHz
Transverse sensitivity, max	5% of axial
Temperature response: -25° +120°	
Power requirement: Voltage source Current regulating diode	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g1: Broadband 2.5 Hz to 25 kH Spectral 10 H 100 H 1,000 H	l z 2.5 μg/√Hz l z 1.5 μg/√Hz
Output impedance, max	300 Ω
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, n	nax 70 μg/gauss
Sealing	hermetic
Base strain sensitivity, max	0.0002 g/µstrain
Sensing element design	PZT, shear
Weight	90 grams
Case material	316L stainless steel
Mounting	1/4-28 UNF tapped hole
Mating connector	R6 type
Recommended cabling	J10 / J9T2A

Notes: ¹ Frequency response limits and spectral noise values are typical. **Accessories supplied:** SF6 mounting stud (metric mounting available); calibration data (level 2)



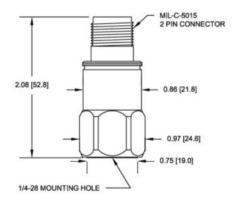






Key features

- Clear signals at low vibration levels
- Certified versions available for use in hazardous areas
- Ideal for slow-speed machinery
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	Α
common	В
ground	shell

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