Class I Div 2 certified accelerometer 787A-M8-D2

SPECIFICATIONS

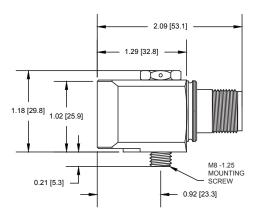
Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response: ±10% ±3 dB	1.0 - 5,000 Hz 0.5 - 10,000 Hz
Resonance frequency, mounted, min	22 kHz
Transverse sensitivity, max	5% of axial
Temperature response: -55°C +120°C	-20% +10%
Power requirement: Voltage source Current regulating diode	18 - 28 VDC 2 - 10 mA
Electrical noise, equiv. g, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	700 μg 10 μg/√Hz 5 μg/√Hz 5 μg/√Hz
Output impedance, max	100 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated, internally shielded
Temperature range	–55° to +120°C
Vibration limit	500 g
Shock limit, min	5,000 g
Electromagnetic sensitivity, equiv. g, max	x 70 μg/gauss
Sealing	hermetic
Base strain sensitivity, max	0.002 g/µstrain
Weight	145 grams
Case material	316L stainless steel
Mounting	M8 captive hex head screw with 0.046" diameter safety wire hole
Output connector	2 pin, MIL-C-5015 style
Mating connector	R6D2

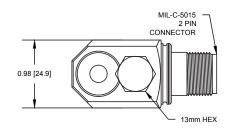


SENSING TECHNOLOGIES

Key features

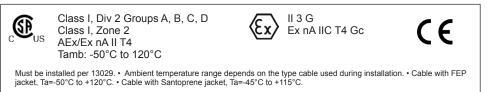
- Certified for use in Class I, Div 2/ Zone 2 hazardous areas
- API 670 compliant
- Manufactured in ISO 9001 facility





Accessories supplied: SCM8125 captive hex head screw; calibration data

Certifications



ConnectionsFunctionConnector pinpower/signalAcommonBgroundshell

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

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