# Class I Div 2 certified accelerometer



## 787A-M8-D2

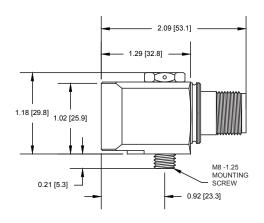
#### **SPECIFICATIONS**

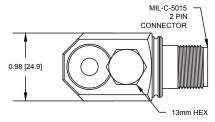
Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response: ±10% ±3 dB	,
Resonance frequency, mounted, min	22 kHz
Transverse sensitivity, max	5% of axial
Temperature response: -55°C +120°C	
Power requirement: Voltage source Current regulating diode	18 - 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	10 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, ma	ax 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
Recommended cabling	J10 / J9T2A, no more than 100 ft.



#### **Key features**

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





<b>↓</b>	
	13mm HEX
Connor	 

Α

В

shell

#### Accessories supplied: SCM8125 captive hex head screw; calibration data

### Certifications



Class I, Div 2 Groups A, B, C, D Class I, Zone 2

Tamb: -50°C to 120°C

AEx/Ex nA II T4

II 3 G Ex nA IIC T4 Gc



Must be installed per 13029. • Ambient temperature range depends on the type cable used during installation. • Cable with FEP jacket,  $Ta=-50^{\circ}C$  to  $+120^{\circ}C$ . • Cable with Santoprene jacket,  $Ta=-45^{\circ}C$  to  $+115^{\circ}C$ .

Function

common

ground

power/signal

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

Connector pin