Class I Div 2 certified low-frequency accelerometer

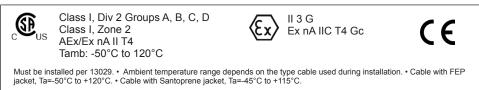
787-500-M12-D2

SPECIFICATIONS

Sensitivity, ±5%, 25°C		500 mV/g
Acceleration range, VDC > 22 V		10 g peak
Amplitude nonlinearity		1%
Frequency response ¹ :	±10% ±3 dB	0.5 - 5,000 Hz 0.2 - 10,000 Hz
Resonance frequency		22 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	–20°C ⊦120°C	-10% +10%
Power requirement: Voltage source Current regulating diode		18 - 28 VDC 2 - 10 mA
	25 kHz 10 Hz 100 Hz 000 Hz	250 μg 2.5 μg/√Hz 1.5 μg/√Hz 1.5 μg/√Hz
Output impedance, max		100 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	v. g, max	70 μg/gauss
Sealing		hermetic
Base strain sensitivity, max		0.0002 g/µstrain
Sensing element design		PZT, shear
Weight		145 grams
Case material		316L stainless steel
Mounting		M6 captive screw
Output connector		4 pin, M12
Recommended cabling		J10 / J9T2A

Notes: ¹ Frequency response limits, spectral and noise values are typical. **Accessories supplied:** M6 captive screw; calibration data (level 2)

Certifications



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

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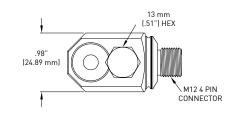
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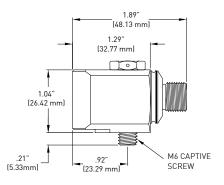




Key features

- Class I, Div 2/Zone 2 certified non-incendive
- High sensitivity
- Extended low frequency response
- Manufactured in ISO 9001 facility







Connections		
Function	Connector pin	
power/signal	1	
common	2	
N/C	3	
N/C	4	
ground	shell	