Dual output sensor

786T-M12-KCF

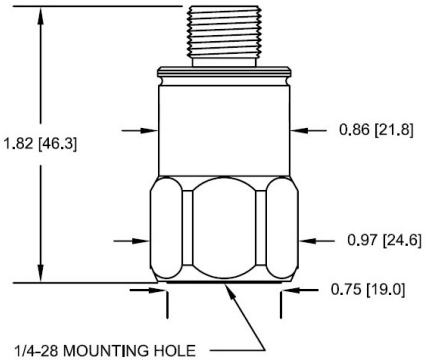
SPECIFICATIONS

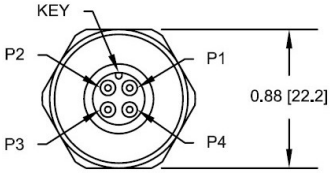
Sensitivity, ±5%, 25°C		100 mV/g
Acceleration range, VDC > 25 V		80 g peak
Amplitude nonlinearity		1%
Frequency response:	**±5%**	3 - 5,000 Hz
	±10%	1 - 7,000 Hz
	±3 dB	0.5 - 12,000 Hz
Resonance frequency		30 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	**–25°C**	–10%
	+120°C	+10%
Temperature sensor:		
Output sensitivity		10 mV/°C
Measurement range		2° to 120°C
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g:		
Broadband	**2.5 Hz to 25 kHz**	700 µg
Spectral	**10 Hz**	10 µg/√Hz
	100 Hz	5 µg/√Hz
	1,000 Hz	5 µg/√Hz
Output impedance, max		100 Ω
Bias output voltage, nominal		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, max		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
Output connector		4 pin, M12 style
Mating connector		RM12S / RM12W
Recommended cabling		J9T3A

Accessories supplied: SF6 mounting stud; calibration data (level 2)

Key features

- Accelerometer with internal temperature sensor
- Certified versions available for use in hazardous areas
- Manufactured in ISO 9001 facility





Connections	
Function	Connector pin
accelerometer power / signal	1
accelerometer and temp sensor common	2
temp sensor signal	3
N/C	4
ground / case	shell

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

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