Low-frequency accelerometer 793L

SPECIFICATIONS

Sensitivity, ±5%, 25°C		500 mV/g
Acceleration range		10 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	0.6 - 700 Hz 0.4 - 1,000 Hz 0.2 - 2,300 Hz
Resonance frequency		15 kHz
Transverse sensitivity, max		5% of axial
Sensitivity variation with temp	erature: –50°C +120°C	-10% +10%
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g: Broadband 2.5 Hz Spectral	to 25 kHz 2 Hz 10 Hz 100 Hz	8.0 μg 2.0 μg/√Hz 0.4 μg/√Hz 0.2 μg/√Hz
Output impedance, max		100 Ω
Bias output voltage		10 VDC
Grounding		case isolated, internally shielded
Temperature range		–50° to +120°C
Vibration limit		250 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, ec	quiv. g	20 μg/gauss
Sealing		hermetic
Base strain sensitivity, max		0.0001 g/µstrain
Sensing element design		PZT, compression
Weight		142 grams
Case material		316L stainless steel
Mounting		1/4-28 tapped hole
		2 pin, MIL-C-5015
Output connector		- p,= • ••••
Output connector Mating connector		R6 type

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

Certifications

All 793L models	793LE		793L	33
CE		Class I, II, III, T4 Div 1 Groups A, B, C, D, E, F, G Div 2 Groups A, B, C, D, F, G	SP:	Class I, Div 1 Groups A, B, C, D

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

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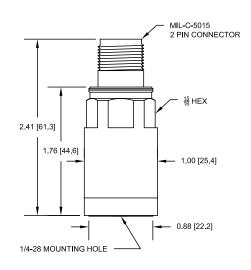
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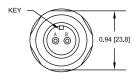




Key features

- Certified versions available for use in hazardous areas (models 793LE and 793L-33)
- Manufactured in ISO 9001 facility





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