# General purpose accelerometer



## 793 series

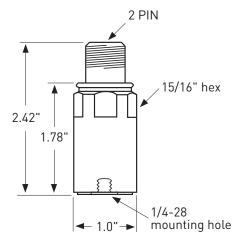
#### **SPECIFICATIONS**

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Sensitivity, ±5%, 25°C		100 mV/g
Acceleration range, VDC > 25	5 V	80 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	1.5 - 5,000 Hz 1.0 - 7,000 Hz 0.5 - 15,000 Hz
Resonance frequency		25 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	−50°C +120°C	–15% +20%
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g: Broadband 2.5 H Spectral	z to 25 kHz 10 Hz 100 Hz 1,000 Hz	600 μg 8 μg/√Hz 5 μg/√Hz 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
Sealing		hermetic
Base strain sensitivity, max		0.0005 g/µstrain
Sensing element design		PZT, compression
Weight		112 grams
Case material		316L stainless steel
Mounting		1/4-28 tapped hole
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type
Recommended cabling		J10 / J9T2A

MODEL 793
SN:M00198
100 mV/g NOM

### **Key features**

- Hazardous area certified versions available (model 793E, 793-33, 793-35)
- Radiation resistant version available (model 793R)
- · Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	A
common	В

shell

Accessories supplied: SF6 mounting stud (metric mounting available); calibration data (level 3)

#### Certifications

All 793 models	793E	
C€	FM	Class I, II, III, T4 Div 1 Groups A, B, C, D, E, F, G Div 2 Groups A, B, C, D, F, G

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

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