

General purpose dual output sensor

793T-3

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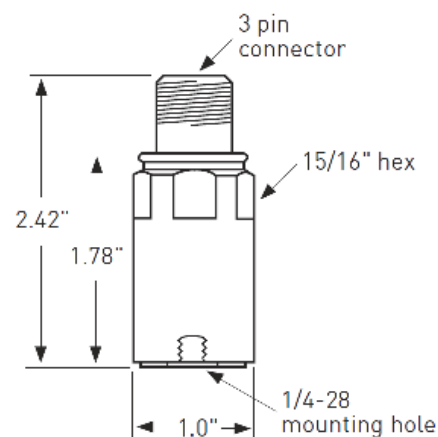
SPECIFICATIONS

Sensitivity, $\pm 5\%$, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	<div> $\pm 5\%$ 1.5 - 5,000 Hz $\pm 10\%$ 1.0 - 7,000 Hz ± 3 dB 0.5 - 15,000 Hz </div>
Resonance frequency	24 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	<div> -50°C -10% $+120^{\circ}\text{C}$ $+5\%$ </div>
Temperature output sensitivity, $\pm 5\%$	10 mV/°K
Temperature measurement range	223 to 390°K (-50° to 120°C)
Power requirement:	<div> Temp sensor Accelerometer Voltage source 18 - 30 VDC 18 - 30 VDC Current regulating diode 2 - 4 mA 2 - 10 mA </div>
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	600 μg
Spectral 10 Hz	8 $\mu\text{g}/\sqrt{\text{Hz}}$
100 Hz	5 $\mu\text{g}/\sqrt{\text{Hz}}$
1,000 Hz	5 $\mu\text{g}/\sqrt{\text{Hz}}$
Output impedance, max	100 Ω
Bias output voltage	12 VDC
Grounding	case isolated, internally shielded
Temperature range	-50° to $+120^{\circ}\text{C}$
Vibration limit	500 g peak
Shock limit	5,000 g
Electromagnetic sensitivity, equiv. g	10 $\mu\text{g}/\text{gauss}$
Sealing	hermetic
Base strain sensitivity, max	0.0005 g/ μstrain
Sensing element design	PZT ceramic / compression
Weight	115 grams
Case material	316L stainless steel
Mounting	1/4-28 tapped hole
Output connector	3 pin, MIL-C-5015 style
Mating connector	R6G type
Recommended cabling	J9T3A

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

Key features

- Accelerometer with internal temperature sensor
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
accel power/signal	A
accel/temp sensor common	B
temp sensor power/signal	C
ground	shell



Note: Due to continuous process improvement, specifications are subject to change without notice.
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