

# High sensitivity, compact accelerometers

## 728A and 728T

### SPECIFICATIONS

Sensitivity, $\pm 5\%$ , 25°C		500 mV/g
Acceleration range		15 g peak
Amplitude nonlinearity		1%
Frequency response:	$\pm 5\%$	3 - 5,000 Hz
	$\pm 3$ dB	1 - 10,000 Hz
Resonance frequency, mounted, nominal		24 kHz
Transverse sensitivity, max		7% of axial
Temperature response:	-50°C	-10%
	+120°C	-5%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g, nominal:		
Broadband	2.5 Hz to 25 kHz	30 $\mu$ g
Spectral	10 Hz	5.0 $\mu$ g/ $\sqrt{\text{Hz}}$
	100 Hz	0.4 $\mu$ g/ $\sqrt{\text{Hz}}$
	1,000 Hz	0.1 $\mu$ g/ $\sqrt{\text{Hz}}$
Output impedance, max		100 $\Omega$
Bias output voltage, nominal		10 VDC
Grounding:	728A	case grounded
	728T	base isolated
Temperature range		-50° to +120°C
Vibration limit		250 g peak
Shock limit		2,500 g peak
Electromagnetic sensitivity at 60 Hz		20 $\mu$ g/gauss
Base strain sensitivity		0.002 g/ $\mu$ strain
Weight		44 grams
Case material		stainless steel
Mounting		10-32 tapped hole
Output connector		10-32 coaxial
Mating connector		R1
Recommended cabling		J93

Accessories supplied: SF1 mounting stud; calibration data (level 3)

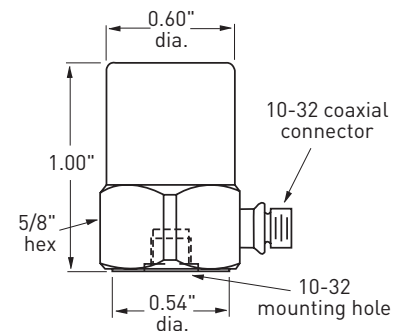
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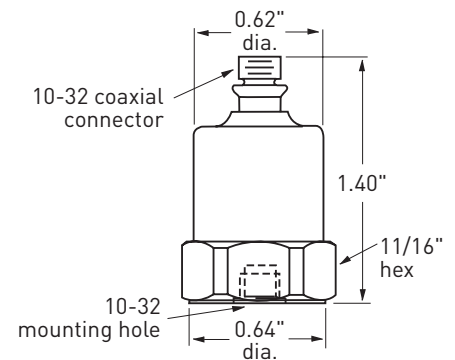


### Key features

- Wide dynamic range
- Low noise floor
- Manufactured in ISO 9001 facility



**Model 728A**



**Model 728T**



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

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