

# General Purpose Accelerometers

## Model JTF

ZERO HERTZ OPERATION

EASY CALIBRATION

LOW IMPEDANCE



Screw Mount (Flat Pack)



Bolt Mount

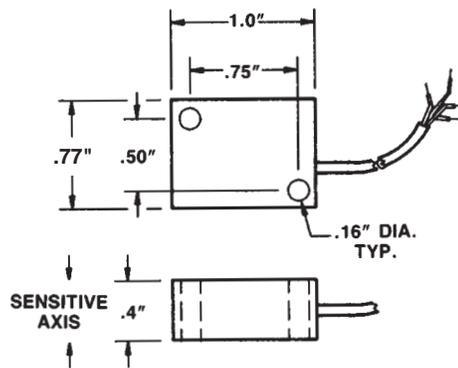


Stud Mount

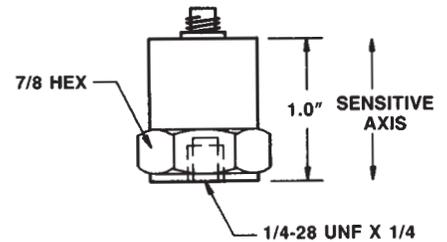
SENSOTEC's Model JTF Accelerometers are available in a variety of configurations and can be stud or bolt mounted to meet specific application requirements. Welded austenitic stainless steel construction ensures dependable performance in harsh industrial environments. Designed with low impedance strain gages, the frequency ranges extend down to DC, sensitivity to noise is minimized, and amplifier electronics are simplified.

## Dimensions

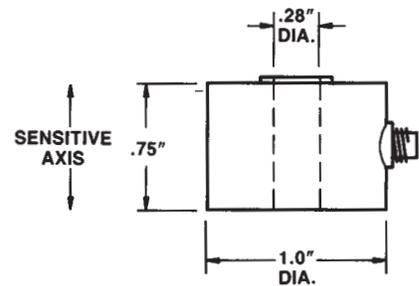
Screw Mount (Flat Pack)  
(Order Code AG111)



Stud Mount  
(Order Code AG113)



Bolt Mount  
(Order Code AG112)

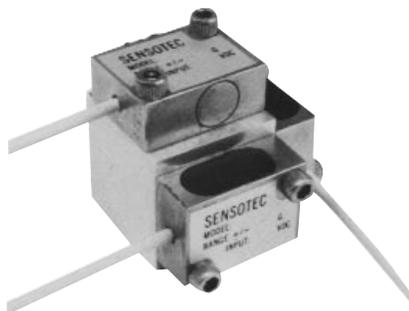


## Options (See Appendix)

Accessories: Mating connectors and connector/cable assemblies

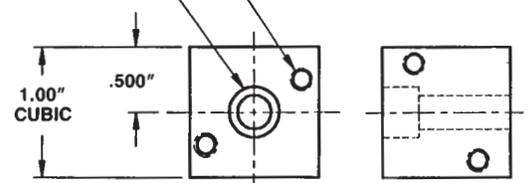
Triaxial Mounting Block  
(Order Code AA235)

(For use with AG111 only)



CLEARANCE FOR 1/4" SOCKET HEAD CAP SCREW, TO SECURE MOUNTING BLOCK.

#6-32 -2B UNC JTF MOUNTING HOLES, TYPICAL ON THREE SIDES



## Model JTF

Flat Pack: Order Code AG111  
 Bolt Mount: Order code AG112  
 Stud Mount: Order Code AG113

<b>PERFORMANCE</b>	Ranges (in Peak g) .....	±5 to 500
	Non-linearity and Hysteresis .....	±1% F.S.
	Frequency response (%)* .....	±5%
	Transverse sensitivity.....	5% max.
	Damping ratio (nominal).....	.7 C @ 70° F
<b>ENVIRONMENTAL</b>	Temperature, Operating.....	-40° F to 250° F
	Temperature, Compensated*.....	70° F to 160° F
	Temperature Effect	
	- Zero (max) .....	0.02% F.S./° F
- Sensitivity (max).....	±2%	
<b>ELECTRICAL</b>	Excitation (calibration).....	5VDC
	Excitation (acceptable).....	Up to 10VDC or AC
	Electrical Connector	Consult Sensotec
<b>MECHANICAL</b>	Acceleration limits, any direction.....	20x
	Weight.....	<1oz.
	Case material.....	Anodized Aluminum

**NOTE:** Output voltage is proportional to input voltage.

### SPECIFICATIONS

Available Ranges (peak g)	Sensitivity		Usable Frequency Range (Hz)	Mounted Resonant Frequency (Hz)
	Nominal (mV/g)	Range (mV/g)		
±5	8	5.0-12	0-300	800
<b>±10</b>	3.8	2.4-5.0	0-400	1000
±20	1.8	1.2-2.4	0-600	1500
<b>±50</b>	0.8	0.5-1.2	0-1000	2000
±100	0.38	.24-0.5	0-1500	3000
±200	0.18	.12-.24	0-2000	4000
±500	0.08	.05-.12	0-2400	5000

Stocked ranges are in bold face type, for flat pack model only.

	Flat pack	Bolt mount Stud mount
Wiring Code	#1 (See pg AP-9)	#27 (See pg AP-10)
Electrical Termination	Teflon Cable 5'	Consult Sensotec
Mating Connector (not incl.)	N/A	Consult Sensotec

ACCELERATION

GENERAL PURPOSE

## General Information

How to order (See Pg. AP-19)