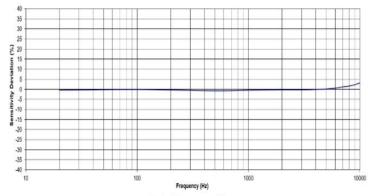




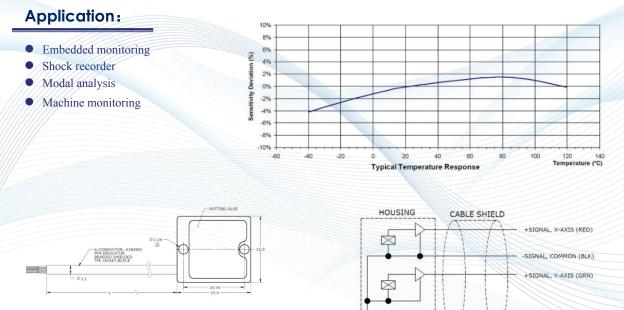
Features:

- Tri-axial measurement
- Flexible cable exit
- Adhesive or screw mounting
- Hermetic sealed
- Annular shear mode
- Wide frequency response
- Mounting ground isolated

Model Y50AT is an IEPE triaxial accelerometer designed for industrial applications. The accelerometer uses shear piezo electronical element which provides a wide operating frequency range. The IEPE sensor combines outstanding crystals and low noise integral microelectronics to achieve very low sensitivity variation over the operating temperature range, compared to other sensing element designs. The shear element technology also ensures high immunity to base strain errors. The accelerometer uses a housing isolated construction and integral cable assembly for lower mass and wider frequency operation. Excellent frequency response, both amplitude and phase, provide the user with a triaxial accelerometer ideally suited for structural and machine monitoring, drop tests and general laboratory vibration work. The thin configuration of this accelerometer enables the test engineer or technician to measure the accelerations of three orthogonal axes of vibration simultaneously on compact structures. All variations provide reliable measurements and long-term stability.











+SIGNAL, Z-AXIS (WHT)



Specification:

Dynamic	Unit								
Performance		10.15	20	50	100	200	250	500	
Measurement Range	g	10-LF	20	50	100	200	250	500	
Sensitivity ±10%	mV/g	500	250	100	50	25	20	10	
Frequency Range ±10%	Hz	5~5000	2.5 ~ 6000	1~ 7000	1~ 8000	1~ 8000	1~ 8000	1~9000	
Frequency Range ±3dB	Hz	3~7000	2~8000	0.4~10000	0.4~10000	0.4~11000	0.4~11000	0.4~12000	
Resonant Frequency	kHz	38							
Transverse Sensitivity	%	<5							
Non-Linearity	% FSO	±1							
Shock Limit	g	5000							
Environmental Paran	neters								
Temperature Sensitivity Coefficient -55 ~ +125°C		%/°C ±10							
Operating And Storage Temperature		°C -40~125							
Bias Voltage		Vdc 8~12							
Bias Voltage (-55℃~125℃)		Vdc 6~13							
Electrical Characteris	tics						1999		
Output Impedance		Ω <100							
Insulation Resistance		ΜΩ > 100							
Excitation Voltage		Vdc 18~30							
Excitation Current		mA 2~10							
Physical Properties									
Weight (Cable Not Included)		Gra 20							
Mounting Torque		lb-in (N- m) 6 (0.7)							
Housing Material		Black Anodized Aluminum Alloy							
Humidity		Epoxy Sealed							
Sensing Element		Piezo Ceramic							
Dandam Accessories									

Random Accessories

HS029	M3x16.0 Cup Socket Head Screw And Washer	2pcs Included
HS027	#4-40x3/4" Cup Socket Head Screw And Washer	Optional
AM003	3 Channels IEPE Signal Conditioner	Optional
AM004	Portable Vibration Analyzer	Optional
AM005	8 Channels Data Acquisition System	Optional



Y50AT Isolated tri-axial IEPE accelerometer

Ordering information:

Y50AT	LF	ZZZ
Range 0010=10g 0020=20g 0050=50g 0100=100g 0200=200g 0250=250g 0500=500g		
LF=Low frequency Resp	onse	

Output Method A=IEPE Output

E.G :

Y50AT-50

Model Y50AT, 0050, Connector, No Options

The data contained in this document is intended for the use of technical trainers only. The customer's technical department is responsible for assessing the suitability of the product for the intended application and the completeness of the product information given in this document in relation to such application.For further information on products, technology, terms and conditions of delivery and prices, please contact our nearest office (www.senstechxyz.com).

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