

微型压电 电荷 三轴加速度计：A/31

灵敏度：7pC/g

重量：19g

最高温度：220 °C



A/31 Fixing Centers

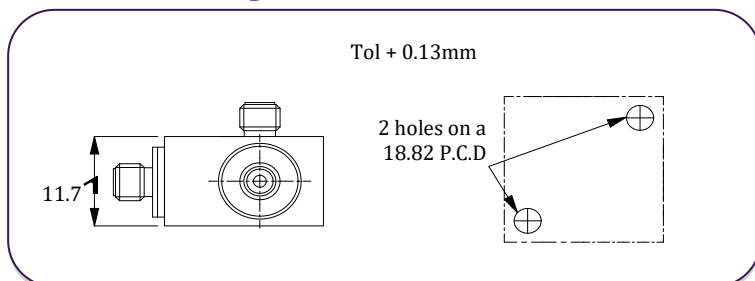
轻巧的三轴振动传感器损害了三个Konic Shear传感元件，所有焊接插件都正交粘结在硬质阳极氧化铝外壳中。

插件分别与外壳绝缘，从而消除了接地环路干扰。结构中隐含的附加机械隔离几乎消除了应变引起的误差。

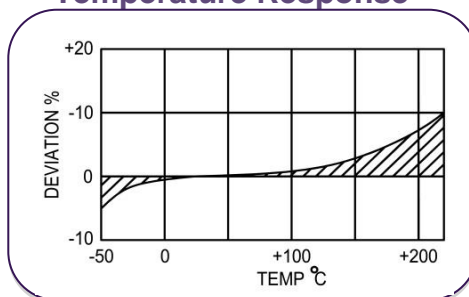
由于换能器的固有方向特性，结构对动态强迫的空间响应可能导致错误的单轴振动或冲击测量。

在认为有问题的情况下，可以进行绝对值和方向计算的正交三轴测量提供了解决方案。

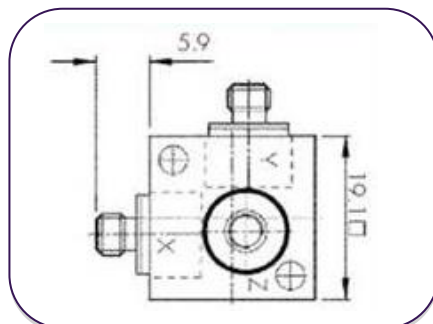
Konic剪切设计的d33分量抑制特性可最大程度地减小跨轴误差，这对于三轴测量的完整性尤为有利。



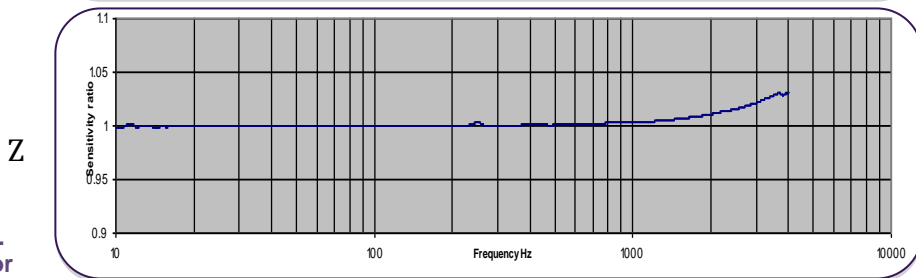
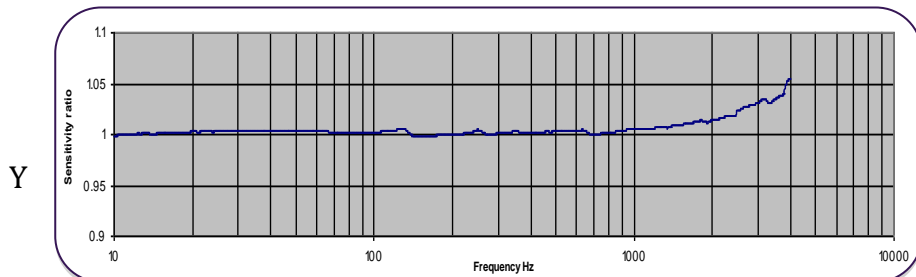
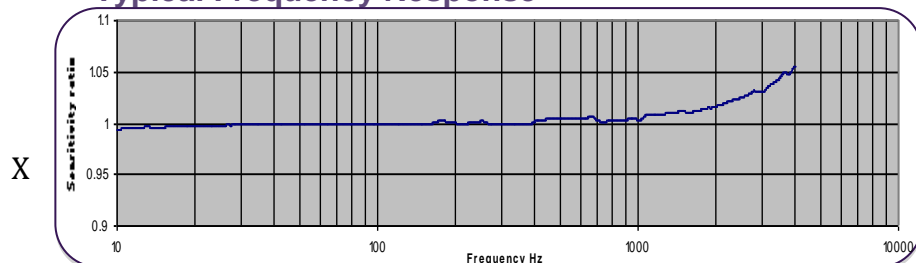
Temperature Response



A/31



Typical Frequency Response



Options

- Wideband temperature calibration

Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes

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	公制	英制
Charge sensitivity nom.	0.71pC/(m/s ²)	7pC/g
Resonant frequency	X / Y Axis 25kHz	Z Axis 28kHz
Typical frequency response ±5% ±10%	1Hz – 3kHz 0.7Hz – 4kHz	
Pyro-electric output		
Pyro-electric corner frequency		
Cross axis error	≤5%	
Capacitance	1150 pF	
Temperature range	-50/ +220°C	-58/ +428°F
Charge sensitivity deviation (20°C/68°F)	-5% @ -50°C (-58°F) +10% @ +220°C (+428°F)	-5% @ -50°C (-58°F) +10% @ +220°C (+428°F)
Base strain sensitivity	≤ 5%	
Maximum continuous accn.g sine	9807m/s ²	1000g
Case material	s/steel 303 S31 inserts Hard anodized al. alloy mounting block	
Mounting	3 x 2.5mm Ø through holes	3 x 0.098in Ø through holes
Weight	19g	0.67oz
Size	19.1 x 19.1 x 11.7mm	0.75 x 0.75 x 0.46in
Connector	10-32UNF Microdot	

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