

微型压电 电荷 三轴加速度计: A/34

灵敏度: 7pC/g

重量: 19g

最高温度: 220 °C



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在硬质阳极氧化铝外壳中。

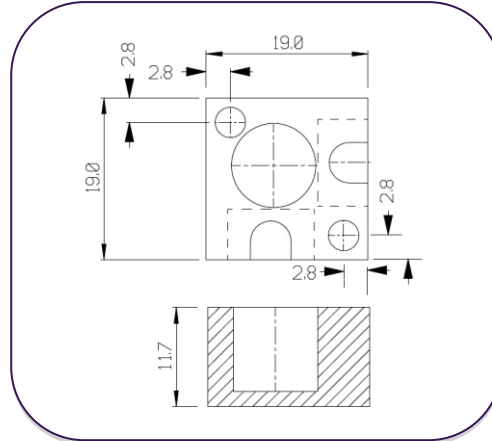
所有3x10 / 32 Microdot连接器都沿相同方向退出。插件分别与外壳绝缘, 从而消除了接地环路干扰。

结构中隐含的附加机械隔离几乎消除了应变引起的误差。

由于换能器固有的方向性, 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。在认为这是一个问题的情况下, 可以计算绝对值和方向的正交三轴测量提供了一种解决方案。

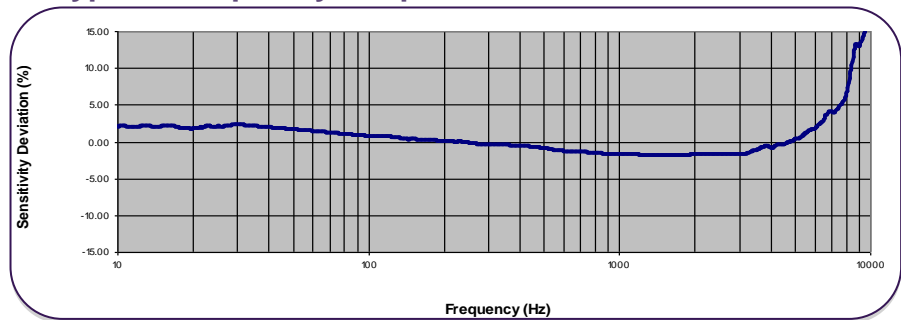
Konic Shear设计的d33分量抑制特性可最大程度地减小跨轴误差, 这对于三轴测量的完整性尤为有利。

A/34

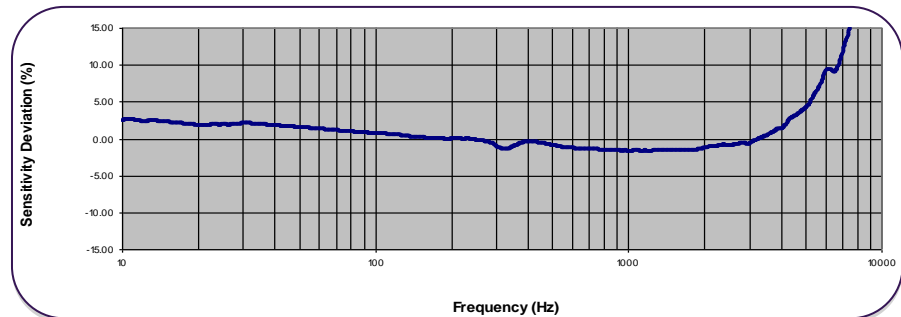


Typical Frequency Response

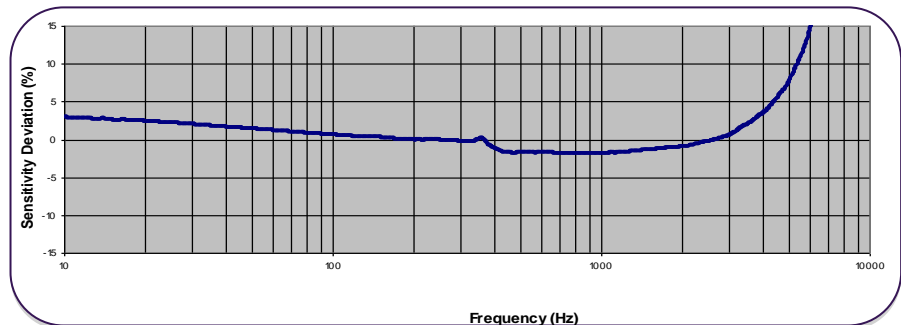
X



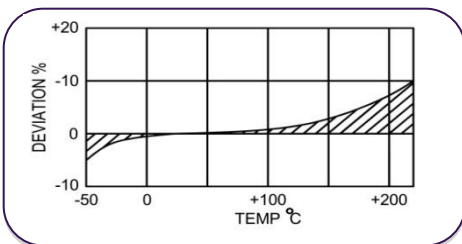
Y



Z



Temperature Response



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

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Options

- Wideband temperature calibration

A/34, A/34-2

	公制	英制
Charge sensitivity nom.	0.71pC/(m/s ²)	7pC/g
Resonant Frequency	X/Y 25 kHz Z 28 kHz	
Typical Frequency Response	±5% 1Hz – 4kHz ±10% 0.7Hz – 5kHz	
Pyro-electric output	0.2°C	
Pyro-electric corner frequency	0.001Hz	
Cross Axis error	≤5% max	
Capacitance	1150 pF	
Temperature Range	-50/ +220°C	-58/ +428°F
Charge sensitivity deviation (20°C/68°F)	-5% @ -50°C +10% @ +220°C	-5% @ -58°F +10% @ +428°F
Base strain Sensitivity	≤ 5%	
Maximum Continuous accn.g sine	9807m/s ²	1000g
Max shock g pk. Rise time μ sec	98100m/s ² , 30	10000g,30
Materials	s/steel 303 s31 transducer inserts welded, bonded into hard anodised aluminium block	
Mounting	2 x 3.57mm Ø through holes	2 x 0.14in Ø through holes
Weight	19g	0.67oz
Case seal	Transducer inserts welded, bonded into hard anodized aluminum block	
Size	19.1mm x 19.1mm x 11.7mm	0.75in x 0.75in x 0.46in
Connector	10-32 UNF Microdot	

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