

超小型压电 IEPE 三轴加速度计: AT/10

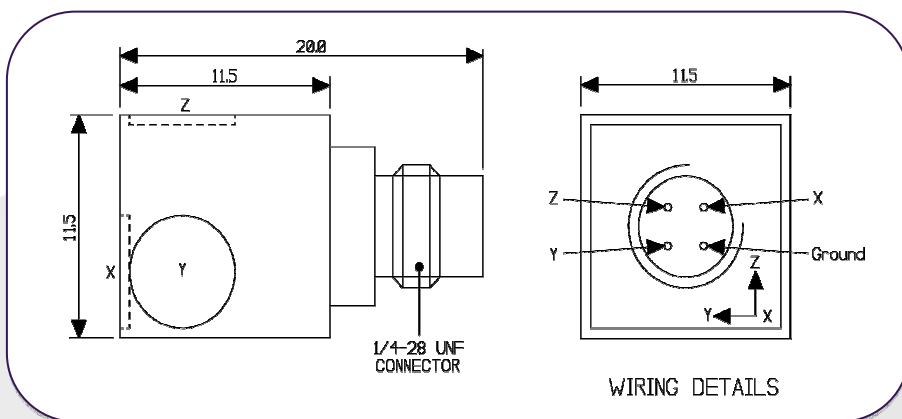
灵敏度: 1mV/g ~ 100mV/g (±10%) 重量: 6.9g 最高温度: 125°C



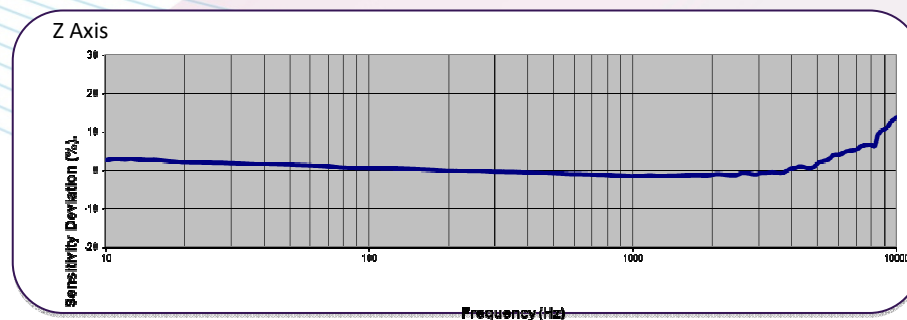
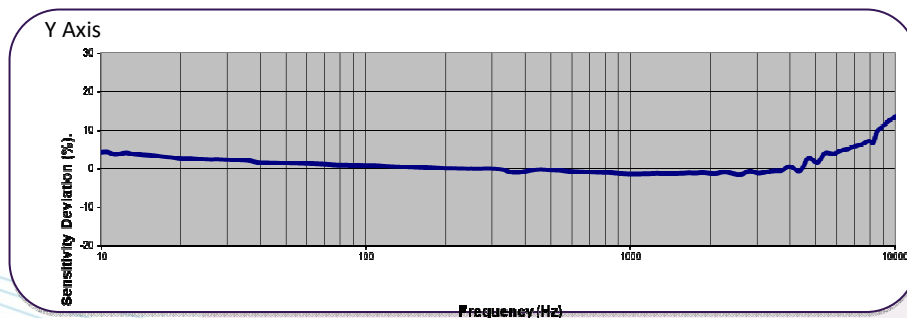
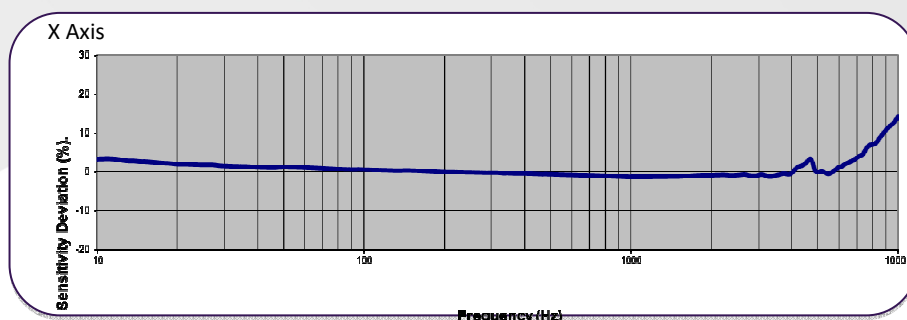
轻巧的微型三轴IEPE振动传感器, 包括三个正交安装在钛块中的电压输出压电加速度计元件。独立的Konic Shear传感元件的使用可确保在最极端的条件下进行坚固且可重复的三轴测量。这种设计将胜过单元件器件。

AT / 10以高温压电陶瓷为标准, 以确保热稳定性。使用行业标准的1/4-28UNF 4针连接器进行单根电缆连接, 可以提供任意长度的电缆组件, 并可以插入3个BNC插头。

标准灵敏度选项为1mV / g至100mV / g



Typical Frequency Responses



Typical Spectral Noise (100mV/g)

1Hz	393.4µg/√Hz
10Hz	174µg/√Hz
100Hz	32.1 µg/√Hz
1kHz	12.7µg/√Hz
10kHz	5.1µg/√Hz

Options

- AT/10 Side entry, adhesive mount
- AT/10/F Side entry, Flange mount
- AT/10/TB Side entry, Tapped base

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



超微型压电 IEPE 三轴加速度计：AT/10

灵敏度：1mV/g ~ 100mV/g (±10%) 重量：6.9g 最高温度：125°C

	公制			英制		
Voltage Sensitivity @ 20°C ±10%	0.1mV/(m/s ²)	1.02 mV/(m/s ²)	10.2mV/(m/s ²)	1mV/g	10mV/g	100mV/g
Resonant Frequency	≥58kHz					
Typical Frequency range ±5% ±10%	1Hz - 7kHz 0.7Hz - 8kHz	1Hz - 7kHz 0.7Hz - 8kHz	2Hz - 7kHz 1Hz - 8kHz	1Hz - 7kHz 0.7Hz - 8kHz	1Hz - 7kHz 0.7Hz - 8kHz	2Hz - 7kHz 1Hz - 8kHz
Cross Axis Error	≤5% max					
Temperature Range	-50/ +125°C			-58/ +257°F		
Voltage Sensitivity deviation (20°C / 68°F)	+5% @ +125°C			+5% @ +257°F		
Supply Voltage	15V to 35V standard					
Supply Current	2-20mA					
Bias Voltage (20°C / 68°F)	9 to11 V DC					
Amplitude Linearity (%FS)	≤1%			≤1%		
Broadband resolution	0.002grms			0.002grms		
Max Continuous accn.g sine	49033m/s ²			5000g		
Saturation limit (equiv. g)	49033m/s ²	4903m/s ²	490m/s ²	5000g	500g	50g
Case Material	Titanium					
Mounting	Adhesive					
Weight	6.9gm			0.24oz		
Case Seal	Welded					
Size	11.5 x 11.5 x 11.5mm			0.45 x 0.45 x 0.45in		
Connector	¼-28UNF 4 pin					
Base Strain Sensitivity	≤ 5%					

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