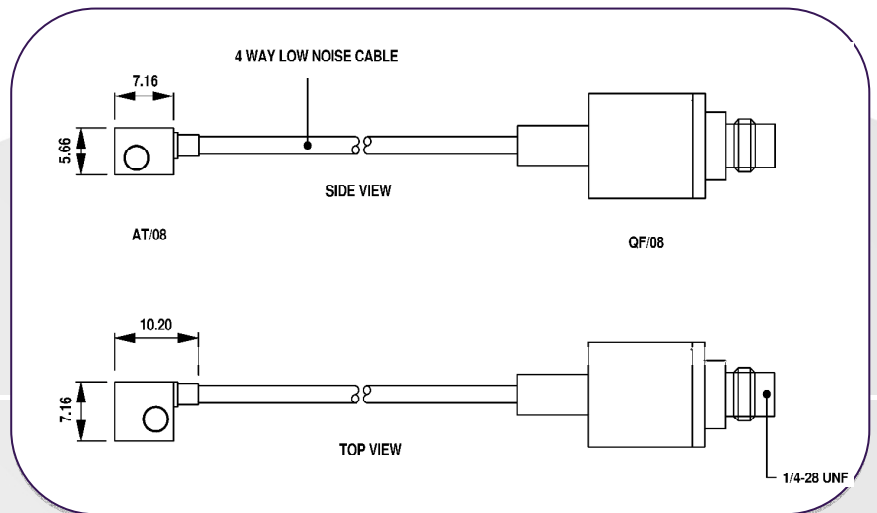


超微型压电 IEPE 三轴加速度计：AT/18

灵敏度：1mV/g ~ 10mV/g (±10%) 重量：1.2g 最高温度：200°C



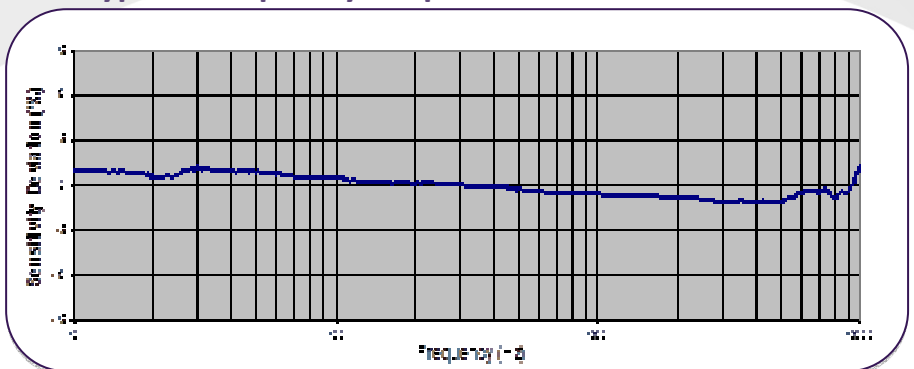
一种超轻型微型三轴IEPE振动传感器，包括三个正交安装在钛块中的电压输出压电加速度计元件。使用独立的剪切传感元件可确保在最极端的条件下进行坚固且可重复的三轴测量。这种设计将胜过单元件器件。AT / 18以高温压电陶瓷为标准，以确保热稳定性。加速度计具有一条1m的整体电缆，该电缆以行业标准的1 / 4-28 UNF插头端接，可以提供任意长度的扩展电缆组件，最多可断开3个BNC插头



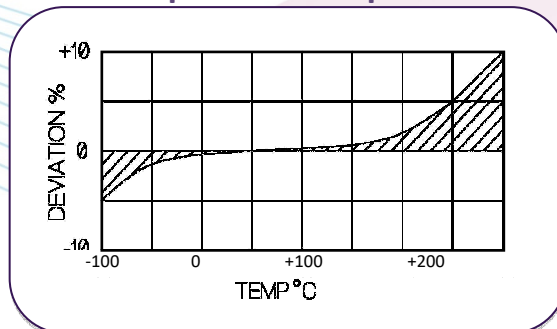
标准灵敏度选项为1mV / g至10mV / g

AT / 18三轴IEPE加速度计也可以指定为低放气加速度计，用于真空应用。

Typical Frequency Response:



Temperature Response



Typical Spectral Noise (10mV/g)

1Hz	987µg/√Hz
10Hz	282µg/√Hz
100Hz	84.3µg/√Hz
1kHz	39.2µg/√Hz
10kHz	39.1µg/√Hz

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

超小型压电 IEPE 三轴加速度计: AT/18

灵敏度: 1mV/g ~ 10mV/g (±10%) 重量: 1.2g 最高温度: 200°C



	公制		英制	
	Voltage Sensitivity @ 20°C ±10%	0.1mV/(m/s ²)	1.02mV/(m/s ²)	1mV/g
Resonant Frequency	≥58kHz			
Typical Frequency Response ±5% ±10%	1Hz – 10kHz 0.7Hz – 12kHz	2Hz – 10kHz 1Hz – 12kHz	1Hz – 9kHz 0.7Hz – 10kHz	2Hz – 10kHz 1Hz – 12kHz
Cross Axis Error	≤5% max			
Temperature Range	-50/ +200°C		-58/ +392°F	
Voltage Sensitivity deviation (20°C / 68°F)	-5% @ -50°C +10% @ +200°C		-5% @ -58°F +10% @ +392°F	
Supply Voltage	15V DC to 35V DC standard			
Supply Current	2-20mA			
Bias Voltage (20°C / 68°F)	11 to 14V DC			
Broadband resolution (grms)	0.005		0.005	
Amplitude linearity (%FS)	≤2%		≤2%	
Max Continuous accn.g sine	49033m/s ²		5000g	
Saturation limit (equiv. g)	49033m/s ²	4903m/s ²	5000g	500g
Case Material	Stainless Steel			
Mounting	Adhesive			
Weight	1.2gm		0.04oz	
Case Seal	Welded			
Size	7 x 7.5 x 5.6mm		0.275 x 0.295 x 0.220in	
Connector	1m low noise Integral Cable with ¼-28 UNF plug			
Base Strain Sensitivity	≤ 5%			
Power up time	Typically ≤3 seconds			

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