

Product Model: **MM121A Series**

Piezoelectric IEPE Accelerometer

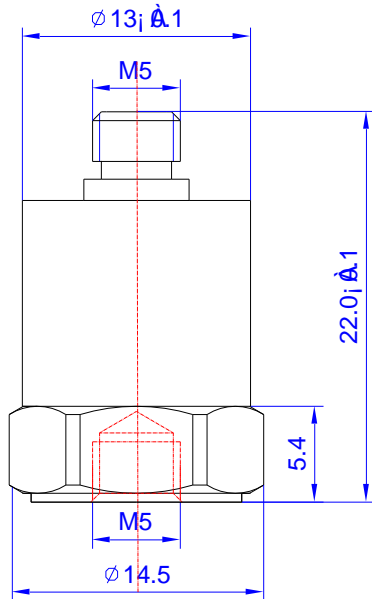
Version: A Date: 17/3/2022

Sensor Feature:

Shear design to reduce the influence of the environment on the signal.

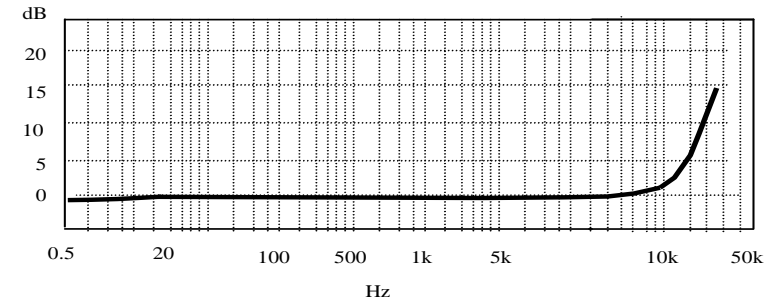
Using wide temperature coefficient ceramic material

Stable output in high and low temperatures

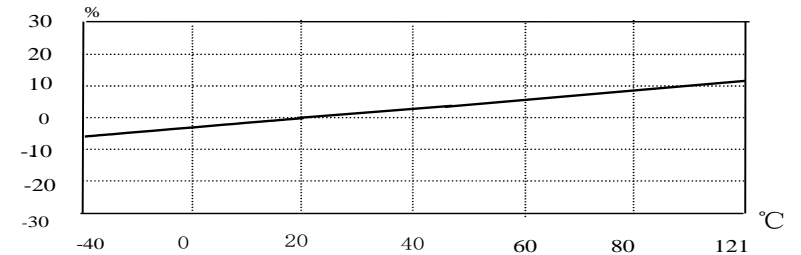


Model	MM121A-100
Sensitivity ($\pm 10\%$)	100 mV/g
Measurement Range	± 50 g
Resolution	0.5 mg rms
Frequency Range (± 1 dB)	0.5-10,000 Hz
Resonant Frequency	~ 25 kHz
Non-linearity	$\leq 1\%$
Temperature Range	-40 \sim +121 $^{\circ}\text{C}$
Transverse Sensitivity	$\leq 5\%$
Excitation Voltage	+18-+28 VDC
Excitation Current	2 - 10 mA
Output Impedance	$< 100 \Omega$
Output Bias Voltage	11 \pm 1.5 VDC
Sensing Element/Geometry	Ceramic/Shear
Size mm	As left figure
Weight	~ 18 g
Mounting	M5 (female)
Housing Material	Stainless Steel

Frequency Response



Temperature Response



Metromatics

ABN: 47 007 346 287

Accessories

- 2 Metre Coaxial Shielded Cable 1ea
- Certificate of inspection 1ea + M5 Stud 1ea

Remark

Output Connector – M5 Top

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