

Product Model: **MM146A Series**

Tri-Axial Low Frequency Accelerometer

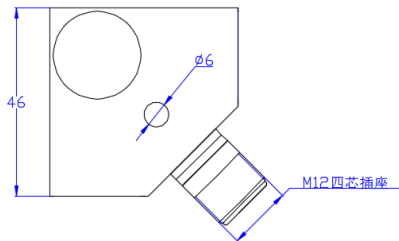
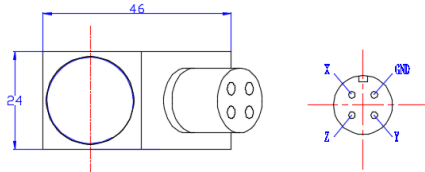
Version: A Date: 17/3/2022

Sensor Feature:

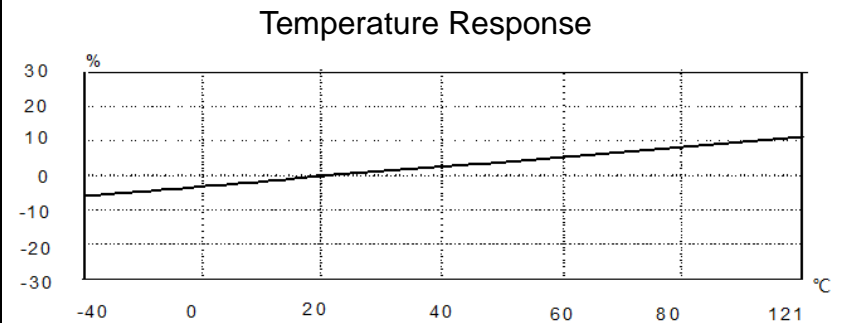
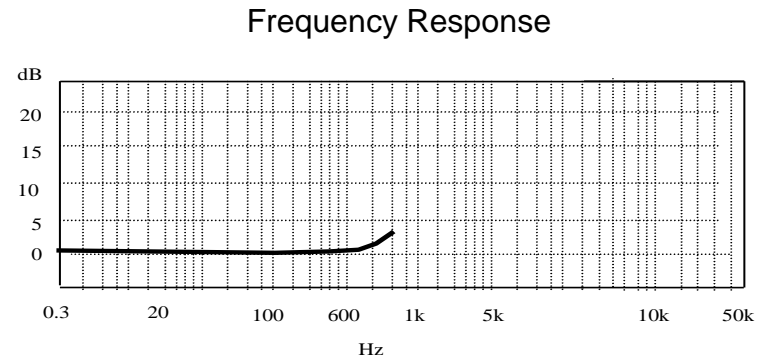
Shear design to reduce the influence of the environment on the signal

Using wide temperature coefficient ceramic material

Stable output in high and low temperatures



Model	MM146A-01G
Sensitivity ($\pm 10\%$)	1 Vg
Measurement Range	± 5 g
Resolution	0.05 mg rms
Frequency Range (± 1 dB)	0.3-600 Hz
Resonant Frequency	~ 6 kHz
Transverse Sensitivity	$\leq 5\%$
Temperature Range	-40 \sim +100 °C
Non-Linearity	$\leq 1\%$
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	~ 420 g
Mounting	$\Phi 6$ (Thru-hole)
Housing Material	Stainless Steel



Metromatics

ABN: 47 007 346 287

Accessories

- 5 Metre 4 core Shielded cable x 1ea
- Certificate of inspection 1ea + M5 Blot 1ea

Remark

Output Connector: 4-Pin M12

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