

Product Model: **MM146A Series**

Tri-Axial Low Frequency Accelerometer

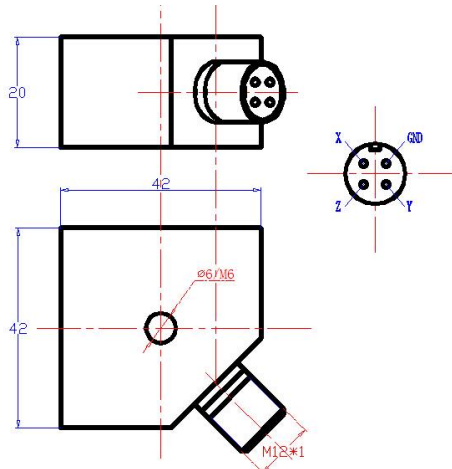
Version: A Date: 17/3/2022

Sensor Feature:

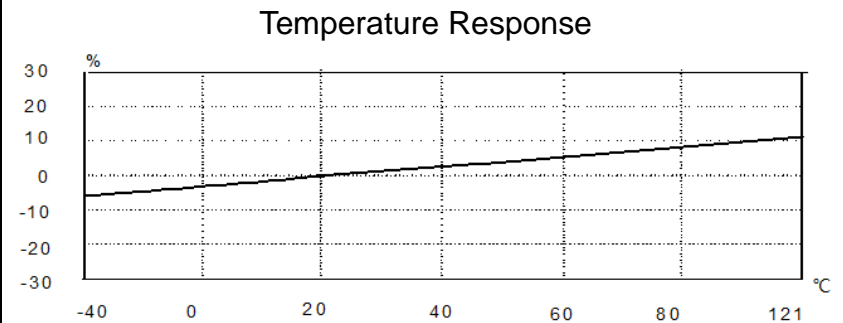
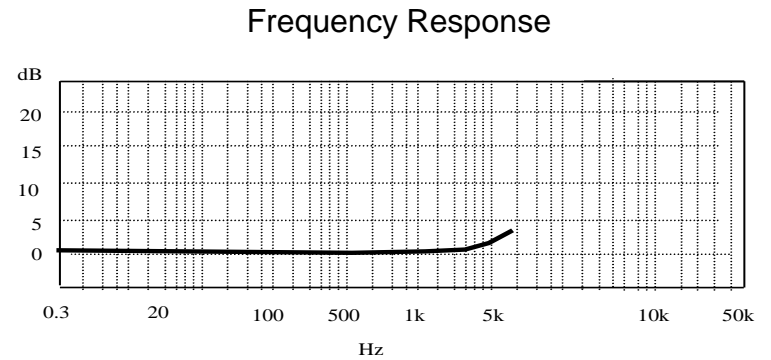
Shear design to reduce the influence of the environment on the signal

Using wide temperature coefficient ceramic material

Stable output in high and low temperatures



Model	MM146A-500
Sensitivity ($\pm 10\%$)	500 m/Vg
Measurement Range	± 10 g
Resolution	0.2 mg rms
Frequency Range (± 1 dB)	0.2-1,000 Hz
Resonant Frequency	~ 10 kHz
Transverse Sensitivity	$\leq 5\%$
Temperature Range	-40 \sim +121 $^{\circ}\text{C}$
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	~ 300 g
Mounting	$\Phi 6$ (Thru-hole)/M6
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 3ea

25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA
www.metromatics.com.au sales@metromatics.com.au

Remark

Output Connector: 4-Pin M12

Brisbane: +61 7 3868 4255 | Sydney: +61 2 9460 4355
 Melbourne: +61 3 9872 4592 | Adelaide: +61 8 8343 8516