

Product Model: **MM146A Series**

## Tri-Axial Low Frequency Accelerometer

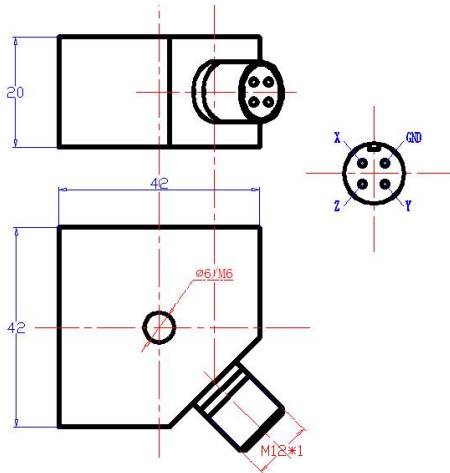
Version: A Date: 17/3/2022

**Sensor Feature:**

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

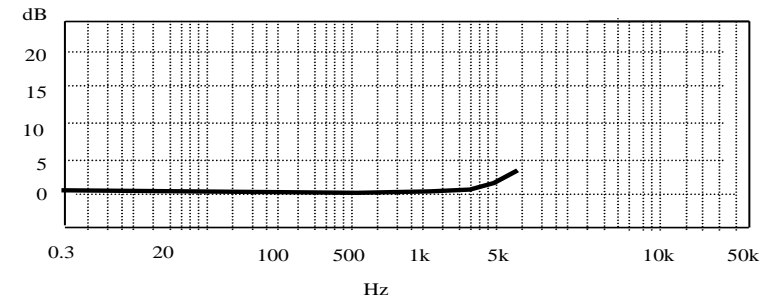
Using wide temperature coefficient ceramic material

Stable output in high and low temperatures

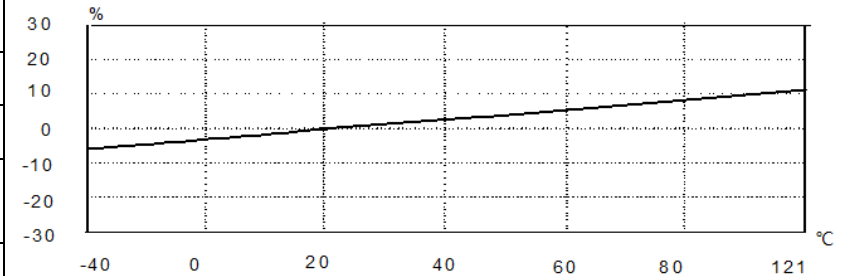


Model	MM146A-01
Sensitivity ( $\pm 10\%$ )	1,000 mV/g
Measurement Range	$\pm 5$ g
Resolution	0.1 mg rms
Frequency Range ( $\pm 1$ dB)	0.2-1,000 Hz
Resonant Frequency	$\sim 10$ kHz
Transverse Sensitivity	$\leq 5\%$
Temperature Range	-40 $\sim$ +121 $^{\circ}\text{C}$
Non-Linearity	$\leq 1\%$
Excitation 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	$\sim 300$ g
Mounting	$\Phi 6$ (Thru-hole) M6
Housing Material	Stainless Steel

Frequency Response



Temperature Response



**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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