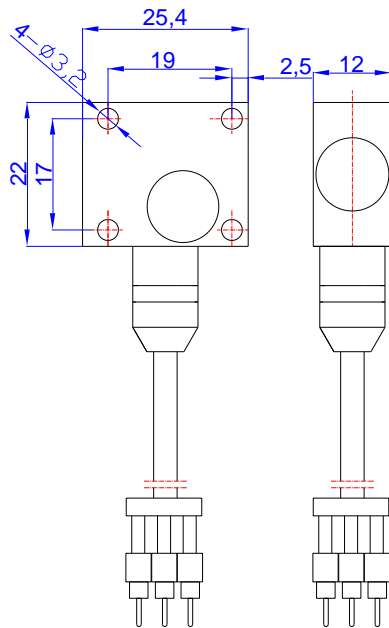


Product Model: **MM147A Series**

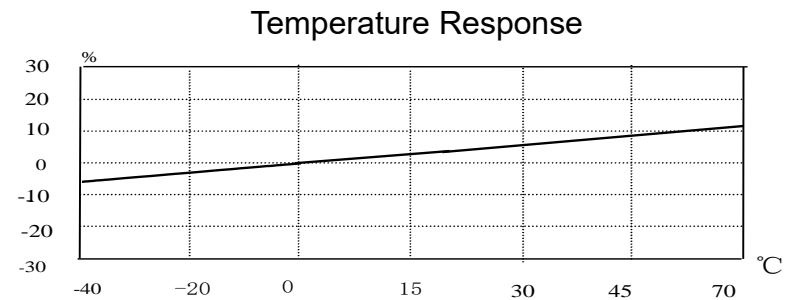
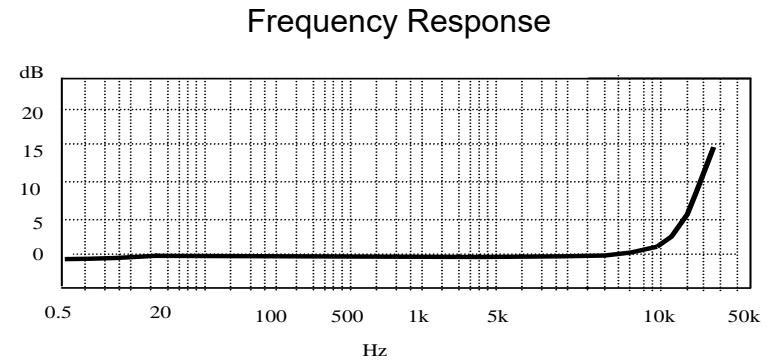
Tri-Axial Low Frequency Accelerometer

Version: A Date: 17/3/2022

Sensor Feature:
 Sturdy Construction
 Integral Cable
 Shear design to reduce the influence of the environment on the signal
 Uses:
 High level mechanical shock and vibration measurement
 Automotive Crash Tests



Model	MM147A-02
Sensitivity ($\pm 10\%$)	0.5 m/Vg
Measurement Range	$\pm 10,000$ g
Resolution	40 mg rms
Frequency Range (± 1 dB)	1-8,000 Hz
Resonant Frequency	~ 30 kHz
Transverse Sensitivity	$\leq 5\%$
Temperature Range	$-40 \sim +70$ °C
Insulation Resistance	$\geq 10^{10}\Omega$
Excitation Voltage	+18-+28 VDC
Excitation Current	2 - 10 mA
Output Impedance	$< 100 \Omega$
Output Bias Voltage	11 ± 1.5 VDC
Sensing Element/Geometry	Ceramic/Shear
Size mm	As left figure
Weight	~ 40 g
Mounting	$\Phi 3$ (Thru-hole) x 4
Housing Material	High Strength Stainless Steel



Metromatics

ABN: 47 007 346 287

Accessories

- 2 Metre Coaxial Shielded cable x 1ea
- Certificate of inspection 1ea + M3 Screws 4 ea

25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA
www.metromatics.com.au sales@metromatics.com.au
 Brisbane: +61 7 3868 4255 I Sydney: +61 2 9460 4355
 Melbourne: +61 3 9872 4592 I Adelaide: +61 8 8343 8516

Remark