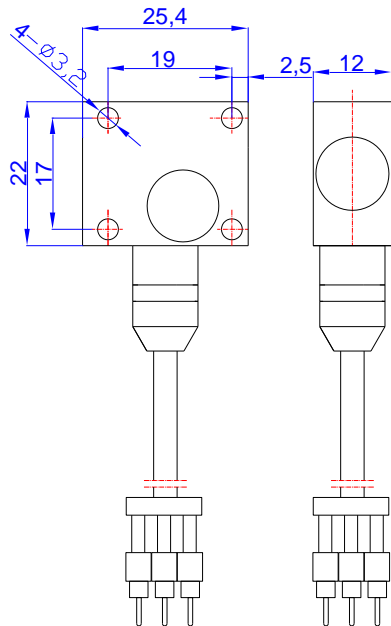


Product Model: **MM147A Series**

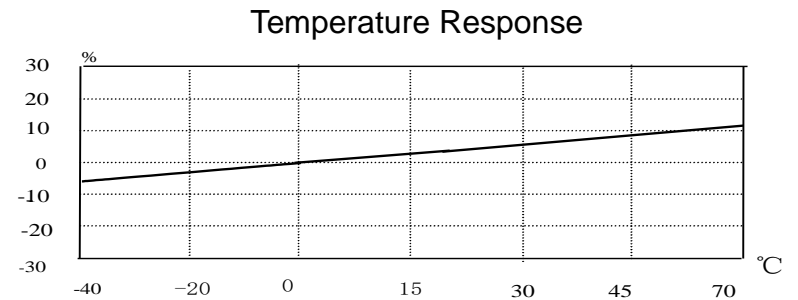
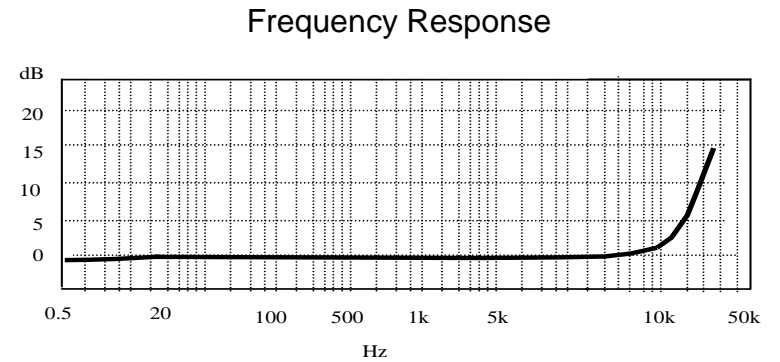
## High Shock IEPE Accelerometer

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 ( $\pm 1$ dB) | 1-8,000 Hz                    |
| Resonant Frequency            | $\sim 30$ 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           | $11 \pm 1.5$ VDC              |
| Sensing Element/Geometry      | Ceramic/Shear                 |
| Size mm                       | As left figure                |
| Weight                        | $\sim 40$ 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

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