

DELIVERING EXCELLENCE

## Vibration Sensors

### FEATURES

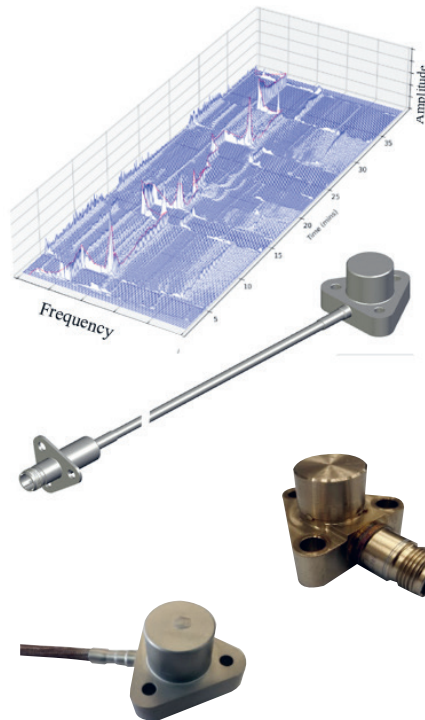
- Proven high temperature capability
- Single axis, single channel measurement
- Customisable to bespoke requirements
- Fully hermetic
- Fully isolated circuitry
- Charge output – no power needed
- Robust design based on proven pedigree of designing and manufacturing aerospace sensors

### BENEFITS

- Capable of extended operation at between -54°C and 500°C

### APPLICATIONS

- Civil and military aircraft and engine vibration monitoring systems, engine health monitoring systems



■ Auxitrol Weston's piezoelectric vibration sensors provide reliable, accurate measurement in the most challenging environmental conditions.

■ Our sensors can be individually designed for specific customer needs to meet installation and certification requirements.

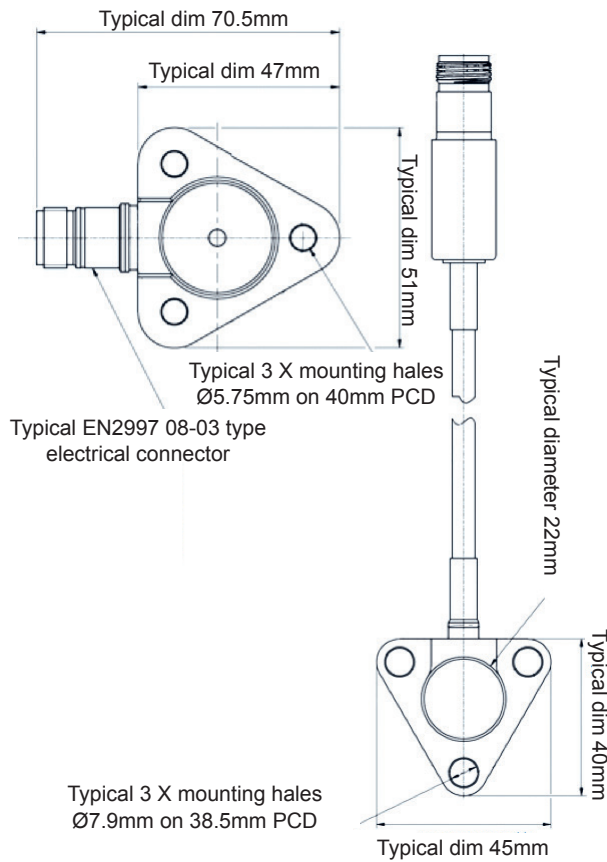
■ For aerospace and other harsh environmental applications.

■ Suitable for integrating with engine health monitoring systems.

■ Design options include integral connector or remote mounted connector via integral mineral insulated braided cable to customer length.

■ Sensor output is in picocoulombs (pC) and sensitivity can be tailored to suit customer needs.

■ Traditional 3-hole or complex mounting configurations enable customers to mount our accelerometers where space is restricted.



### Typical Performance Specification

Charge sensitivity	20pC/g +/-3% at 20°C (nominal value can be modified)
Capacitance	<4000pF (Including typical length of MI Cable)
Temperature range	-54°C to 500°C
Typical Frequency response	5Hz – 500Hz: +/- 5% 500 – 4kHz: +/- 10% 4kHz – 10kHz: +/- 20%
Temperature Sensitivity	+2% to -8%
Resonant Frequency	20 – 25 kHz
Pole to Pole Resistance	>10GΩ at 20°C >1MΩ at 260°C
Typical electrical interface	EN2997 08-03 MN (can be modified to suit requirements)
Typical braided hard-line length	800mm (can be modified to suit requirements)

Examples shown above are for information, dimensions can be modified to meet unique installations

#### SALES :

- Auxitrol SAS  
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