

- ✓ High temperature stability up to 650 °C (1200°F)
- ✓ Outstanding signal quality during thermal gradients
- ✓ Highest durability and reliability
- ✓ Internal case insulation
- ✓ ARINC mount
- ✓ Designed for long term operation in harsh conditions

The G2-A1 was designed to bring the advantages of Piezocryst's GaPO₄ crystal technology to the field of accelerometers. The vast know how in design, precision machining and testing was incorporated in a robust housing with various cable and connector options.

Operating principle	Piezoelectric, charge output, shear mode
Sensing element	GaPO ₄ (gallium phosphate)
Dynamic measuring range	0 ... 500 g
Shock resistance	1000 g
Sensitivity (nominal)	~ 3.2 pC/g
Linearity	≤ ±1% FSO
Operating temperature	-54°C ... +600°C (-65°F ... +1112°F)
Internal insulation resistance	> 10 ⁹ Ω (25°C / 77°F), > 10 ⁶ Ω (600°C / 1112°F)
Transverse sensitivity	< 5 %
Thermal sensitivity	≤ 7%
Natural Frequency	> 25 kHz
Cable (optional)	2.4 mm or 3.2 mm hardline cable with 2-pin (7/16"-27UNS-2A) or Lemo connector
Connector	2-pin (7/16"-27UNS-2A)



