

A/29/TC Piezoelectric Accelerometer

100pC/g nom. 50gm 250°C Max



The A/29/TC is specifically configured to minimize the effect of physical inputs other than acceleration, thus enhancing measurement integrity in situations where flexural strain of the transducer could give rise to significant errors.

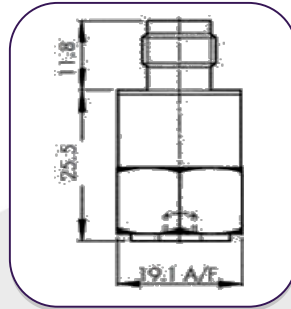
The high output 100pC/g offers high sensitivity for the measurement of low level vibration, within a relatively small and lightweight body.

The A/29/TC features a top entry TNC connector featuring a hermetically glass sealed connector and a tapped base for mounting with a range of accessories.

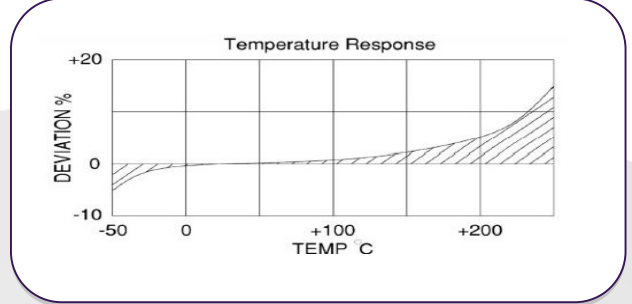
Options:

- A29 – Side entry
- A/29/T – Top entry
- A/29/TC – Top entry, Hermetic TNC connector

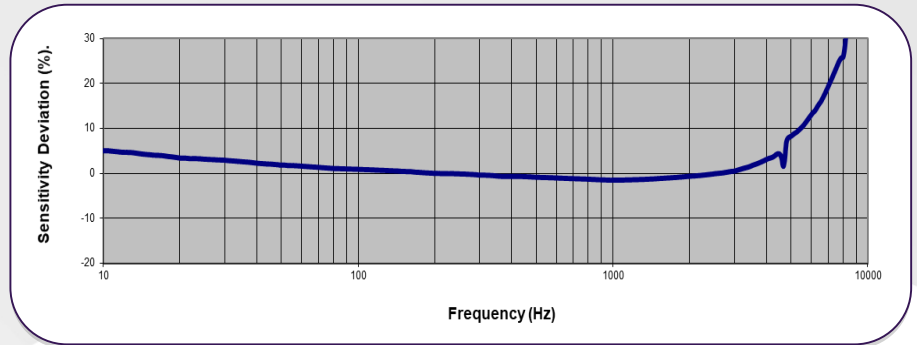
A/29/TC



Temperature Response



Typical Frequency Response



	Metric	Imperial
Charge sensitivity nom.	10.20pC/(m/s ²)	100pC/g
Resonant Frequency	15 kHz	
Typical Frequency Response	±5% 1Hz- 4kHz ±10% 0.7Hz- 5kHz	
Cross Axis error	5% max	
Capacitance nom.	1700 pF	
Temperature Range	-50/ +250°C	-58/ +482°F
Charge sensitivity deviation (20°C / 68°F)	-5% @ -50°C +15% @ +250°C	-5% @ -58°F +15% @ +482°F
Base strain sensitivity	0.001g/μ strain	
Pyro-electric output	0.2q/°C	
Pyro-electric corner	0.002Hz	
Maximum Continuous accn. a sine	9807m/s ²	1000g
Case Material	s/steel 303 S31	
Mounting	10-32 UNF Tapped Base	
Weight	50gm	1.76oz
Connector	TNC	
Size	19.1 (A/F) x 25.7mm	0.75 (A/F) x 1.01in

Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes

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A UK company with UK-based manufacturing, assembly and calibration in-house.

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