



## A/29 Piezoelectric Accelerometer

100pC/g nom.      45gm      250°C Max

The A/29 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.

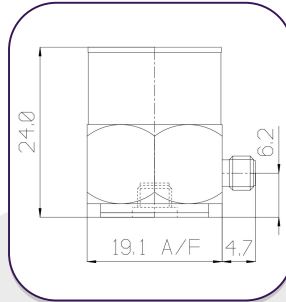
The high output 100pC/g offers high sensitivity for the measurement of low level vibration, within a relatively small and lightweight body.

The A/29 features a side entry 10/32UNF microdot connector and a tapped base for mounting with a range of accessories.

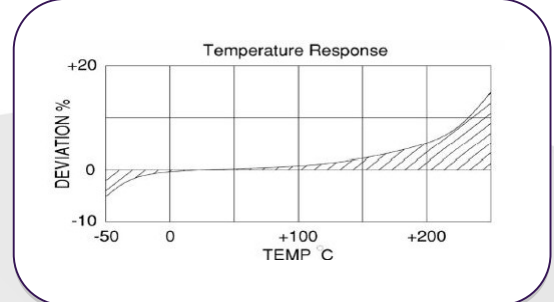
### Options:

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

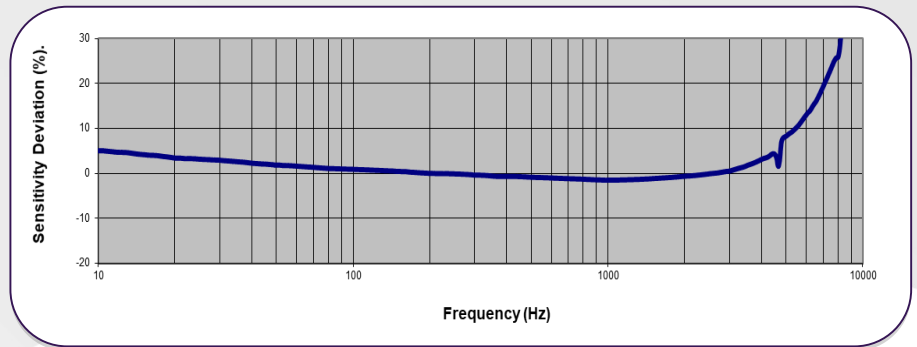
**A/29**



**Temperature Response**



**Typical Frequency Response**



	Metric	Imperial
Charge sensitivity nom.	10.20pC/(m/s <sup>2</sup> )	100pC/g
Resonant Frequency	15 kHz	
Typical Frequency Response	1Hz- 4kHz	
	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	0.2g/°C	
Pyro-electric corner	0.002Hz	
Shock limit	29421m/s <sup>2</sup>	3000g
Case Material	s/steel 303 S31	
Mounting	10-32 UNF Tapped Base	
Weight	45gm	1.59oz
Connector	Side entry 10-32 UNF Microdot	
Size	19.1 (A/F) x 24.0mm	0.75 (A/F) x 0.95in

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

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DJB Iss.3 2020

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



ISO 9001 – 00025363