DJB Instruments
SENSING ENGINEERING INNOVATION

A/21/T
Piezoelectric Accelerometer

230pC/g nom. 95 gm 250ºC Max

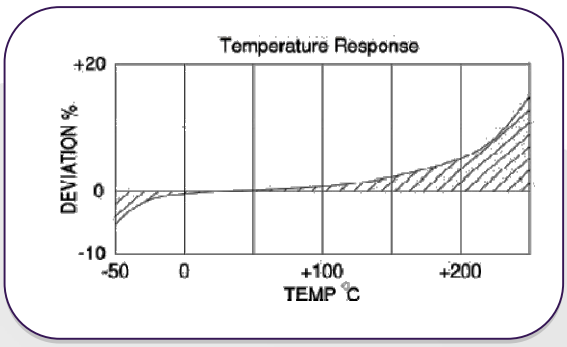
High output together with minimal susceptibility to strain induced error extends the measurement range of the A/21 down to the 10^{-5}g, 10^{-1} Hz region.

The A/21 application area includes low level frequency dynamic analysis as occurs in the civil and marine engineering fields.

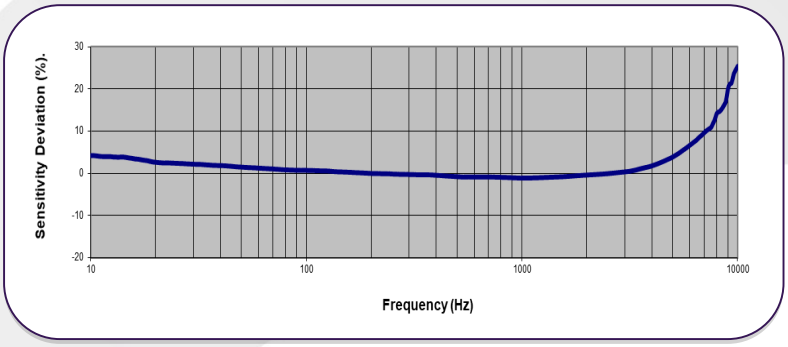
The Konic shear® sensing element, all welded construction, and total absence of epoxies and soldered connections maximizes sensitivity/ mass ratio (2.4pC/gm), reliability, and operating temperature.

Options:
A/21 – Side entry
A/21/T – Top entry

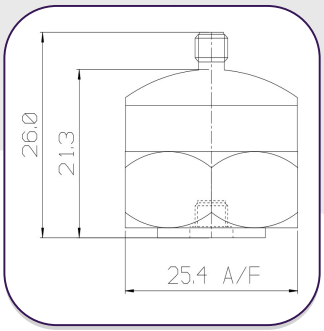
Temperature Response



Typical Frequency Response



A/21/T



	Metric	Imperial
Charge sensitivity nom	23pC/(m/s²)	230pC/g
Resonant Frequency	10 kHz	
Typical Frequency Response ±5% ±10%	1Hz-2kHz 0.7Hz-3kHz	
Cross Axis error	5% max	
Capacitance nom.	1700pF	
Temperature range	-50/+250ºC	-58/+482ºF
Charge sensitivity deviation (20ºC/68°F)	-5% @ -50ºC +15% @ +250ºC	-5% @ -58ºF +15% @ +482ºF
Base strain sensitivity	0.01g/µ strain	
Pyro-electric output	0.08 g/ºC	
Pyro-electric corner frequency	0.001 Hz	
Shock Limit	4,903m/s²	1000g
Case Material	s/steel 303 S31	
Mounting	Tapped Base, 10-32UNF, 4mm Deep	Tapped Base, 10-32UNF, 0.16in Deep
Weight	95g	3.35oz
Case seal	Welded	
Size	25.4 (A/F) x 26.0mm	1 (A/F) x 1.03in
Connector	Top entry 10-32 UNF Microdot	

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.