



A/20/TC Piezoelectric Accelerometer

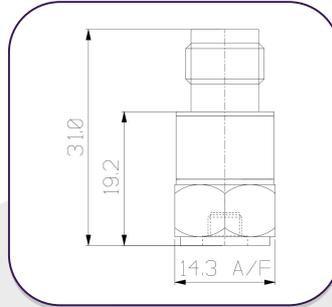
30pC/g nom. 27gm 250°C Max

General purpose accelerometers well suited to a wide range of vibration analysis and shaker testing applications, particularly those requiring a higher operating temperature.

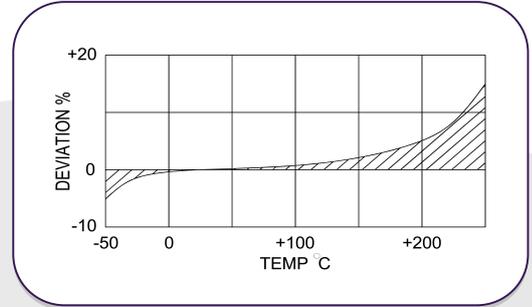
Using the unique DJB Konic Shear® piezoelectric ceramic sensing element for superior performance and reduced long term cross axis error. The A/20/TC is a top entry, tapped base model with an all welded titanium construction. The top entry TNC connector is hermetically sealed. The internal wiring connections are also welded for a robust sensor suitable for many harsh environments.

Relative freedom from strain induced error reduces low frequency measurement uncertainty.

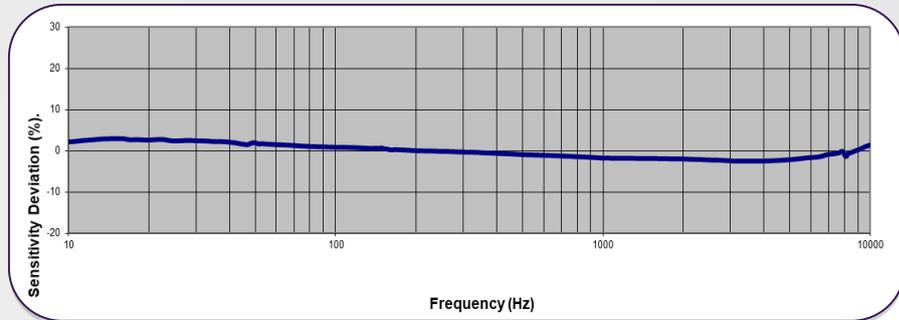
A/20/TC



Temperature Response



Typical Frequency Response



	Metric	Imperial
Charge sensitivity nom.	3.06pC/(m/s ²)	30pC/g
Resonant Frequency	≥28 kHz	
Typical Frequency Response	±5% 1Hz – 7kHz ±10% 0.7Hz – 8kHz	
Cross Axis error	≤5%	
Capacitance nom.	1400 pF	
Temperature range	(opt. -71) -55/ +250°C	(opt. -95.8) -67/ +482°F
Charge sensitivity deviation (20°C / 68°F)	-10% @ -71°C -5% @ -55°C +15% @ +250°C	-10% @ -95.8°F -5% @ -67°F +15% @ +482°F
Pyro-electric output	0.2 g/°C	
Pyro-electric corner frequency	0.002Hz	
Base strain sensitivity	≤ 5%	
Maximum continuous accn.g sine	49033m/s ²	5000g
Case Material	Stainless Steel 303 S31	
Mounting	Tapped Base, 10-32 UNF, 4mm Deep	Tapped Base, 10-32 UNF, 0.16in Deep
Weight	27gm	0.95oz
Case seal	Welded	
Size	14.3mm (A/F) x 31.0mm	0.562in (A/F) x 1.22in
Connector	TNC	

Options:

- A/20 – Side entry
- A/20/T – Top entry
- A/20/TC – Top entry, Hermetic TNC Connector

Please note: For information and reference only. Date 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.