

Piezo-electric accelerometer

A/20
A/20/T
A/20/TC

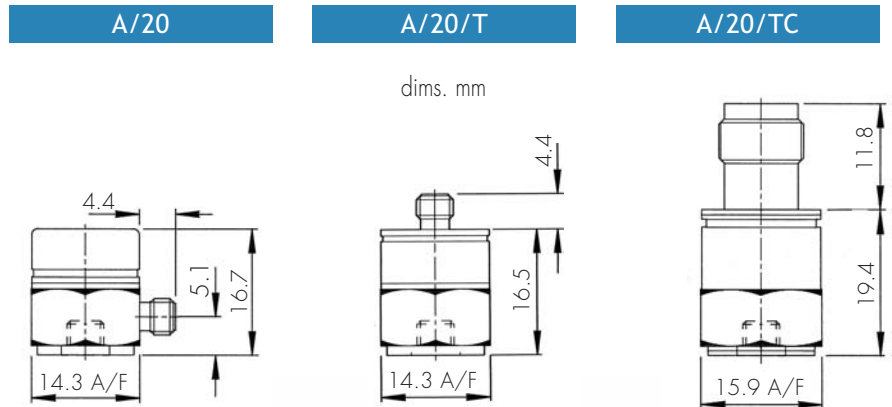


35pC/g nom. • 18gm wt.
250°C max. temp.

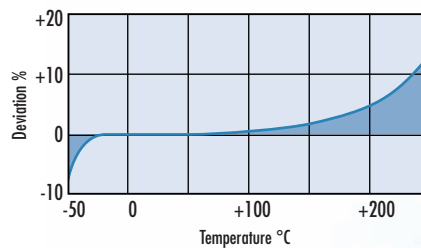
General purpose vibration transducers with the following attributes : KONIC sensing element providing 28/42pC/g signal from 17/27gm wt. transducer.

All welded construction including signal connections maximises longevity under adverse operating conditions.

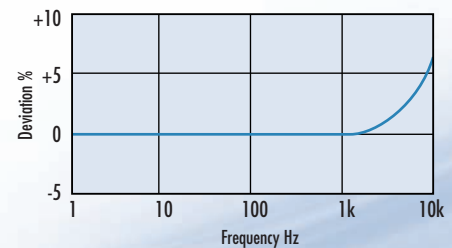
Relative freedom from strain induced error reduces low frequency measurement uncertainty.



TEMPERATURE RESPONSE



FREQUENCY RESPONSE



CONVERSION MODE	KONIC
Charge sensitivity pC/g	28/42
Capacitance pF	1400/2000
Resonant frequency kHz	28
Cross axis error % max	5
Temperature range °C	-50/+250
Charge sensitivity deviation re 20°C	-5% @ -50°C +15% @ +250°C
Pyro-electric output, g/°C	0.2
Pyro-electric corner freq. Hz	0.002
Base strain sens. g/μ strain	0.01
Max continuous accn. g sine	2000
Case material	s/steel 303 S31
Mounting	base tapped 10/32 UNF x 4mm deep
Weight gm	17, 27 (/TC), 11.6 (/N), 17 (/TC/N)
Connector	Microdot skt. 10/32 UNF (A/20, A/20/T) TNC skt. (A/20/TC)
Case seal	welded, hermetic connector (TNC)

options

- > close tolerance output
- > hermetic TNC connector : ref. A/20/TC
- > corrosion resistant case materials
- > non-magnetic, A/20/N, A/20/T/N : 11.6gm ; A/20/TC/N : 17gm
- > wideband temperature calibration -50/+250°C
- > For use with the VT1, VT2 hand-held vibration meters, a 25pC/g ±5% version is available