

Piezo-electric accelerometer

A/21
A/21/T
A/21/TC

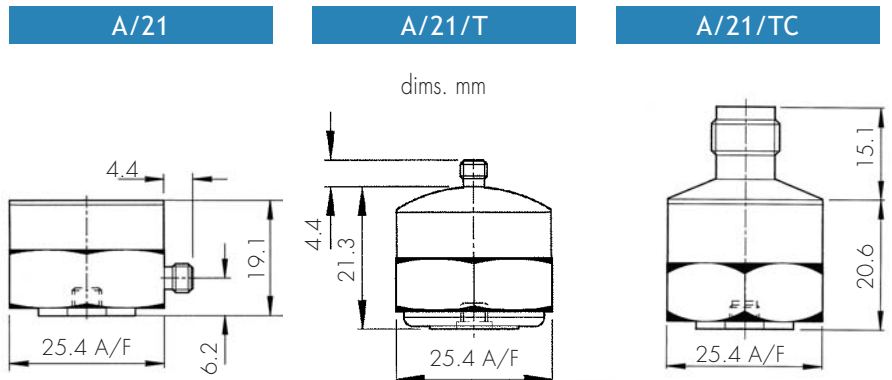


360pC/g nom. • 93gm wt.
250°C max. temp.

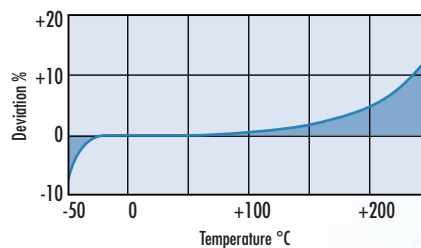
High output together with minimal susceptibility to strain induced error extends the measurement range of the A/21 down to the 10^{-5} g, 10^{-4} Hz region.

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

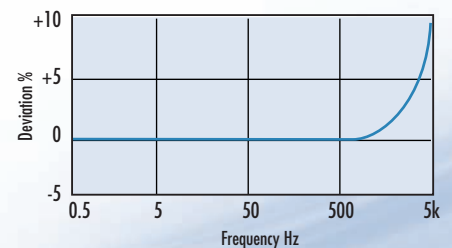
The KONIC sensing element, all welded construction, and total absence of epoxies and soldered connections maximises sensitivity/mass ratio (3pC/gm), reliability, and operating temperature.



TEMPERATURE RESPONSE



FREQUENCY RESPONSE



CONVERSION MODE	KONIC
Charge sensitivity pC/g	300/420
Capacitance pF	1400/2000
Resonant frequency kHz	10
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	0.08
Pyro-electric corner freq. Hz	0.001
Base strain sens. g/μ strain	0.01
Max continuous accn. g sine	1000
Case material	s/steel 303 S31
Mounting	base tapped 10/32 UNF x 4mm deep
Weight gm	95/102
Connector	Microdot skt. 10/32 UNF thd. (A/21, A/21/T) TNC skt. (A/21/TC)
Case seal	welded, hermetic connector (TNC)

options

- > close tolerance output
- > corrosion resistant case materials
- > wideband temperature calibration -50/+250°C
- > hermetic TNC top entry connector version, ref. A/21/TC.
- > Proof pressure testing : hermetic versions, with or without cables, ca be pressure tested at sustained levels of up to 100 bar