

Miniature piezo-electric accelerometer

A/24/E
A/24/TE
A/24/TS

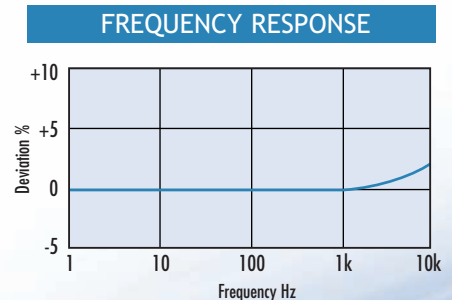
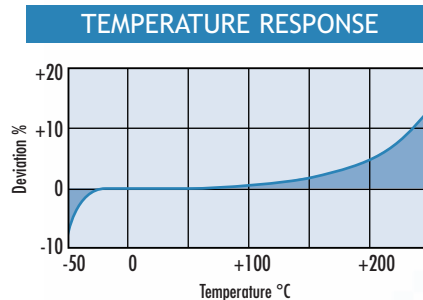
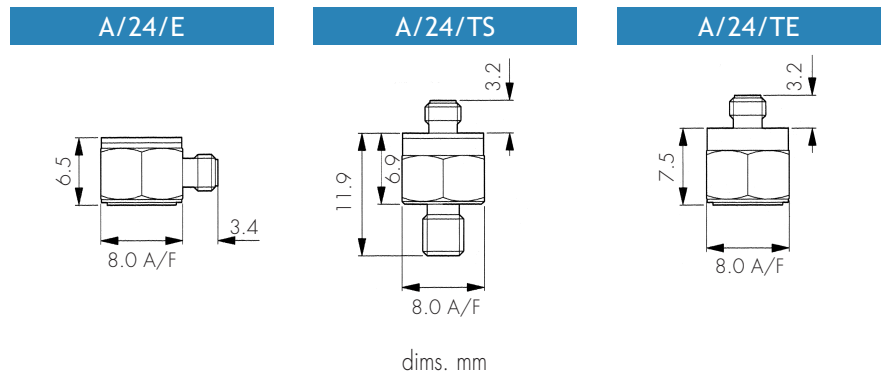


5pC/g nom. • 2gm wt.
250°C max. temp.

A three variant range of low mass (2gm.) accelerometers, each with KONIC sensing element, welded construction, miniature (3.5mm thd.) side or top entry coaxial connector, and titanium case. The two adhesive mount versions (A/24/E, A/24/TE), are provided with bonded isolation discs to minimise ground loop interference, whilst the top entry connector version (A/24/TS) is also available with integral mounting stud but without isolation.

APPLICATIONS

Modal analysis, high level vibration to 5,000g, shock to 10,000g.
For high level measurements, top entry connector versions are preferred.



CONVERSION MODE	KONIC
Charge sensitivity pC/g	3/6
Capacitance pF	600/900
Resonant frequency kHz	70
Cross axis error % max	5
Temperature range °C	- 50/+ 250 A/24/TS - 50/+ 200 A/24/E, A/24/TE
Insulation Resistance, ohms	> 10 ⁹
Pyro-electric output, g/°C	0.15
Pyro-electric corner freq. Hz	0.005
Base strain sens. g/μ strain	< 0.01
Max continuous accn. g sine	5000
Max shock g pk., rise time μ sec.	10000, 30
Case material	titanium
Mounting	flat base, adhesive A/24/E, A/24/TE M4 x 5mm, integral stud A/24/TS
Weight gm	2.1 A/24/TS 2.0 A/24/E, A/24/TE
Connector	KP connector (3.5mm thd.)
Mounting torque Nm	1
Case seal	welded

options

- > wideband temperature calibration
-50/+200°C (A/24/E, A/24/TE)
-50/+250°C (A/24/TS)