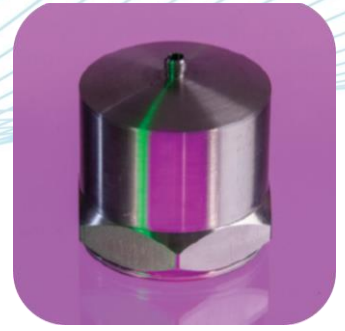


A/1800/T, A/1800/TC, A/1800/VTC

Micro g Piezoelectric IEPE Accelerometer

10V/g $\pm 10\%$. 400,407gm Std temp 125 °C

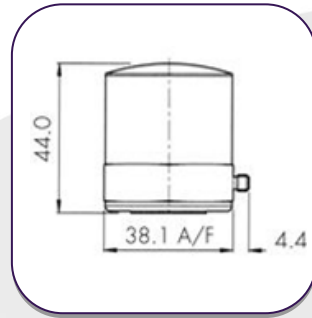


High voltage output, multiple shear plate IEPE vibration transducers intended for micro g level measurement – virtual immunity to strain input side effects provides guarantee of low frequency, measurement integrity.

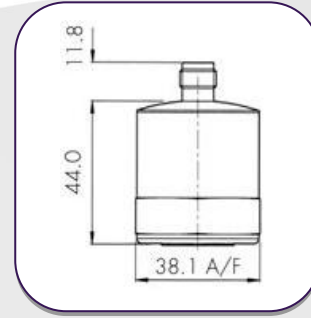
Due to the size and mass of the accelerometer its applications are limited to seismic surveys or low level vibration measurements on large structures.

The high output of 10V/g limits the range to just 0.5g though other sensitivities can be provided.

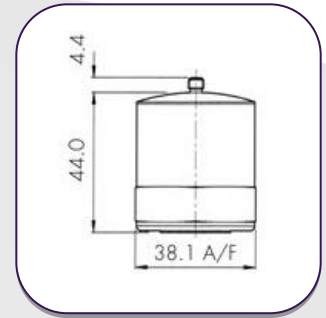
A/1800/V



A/1800/TC



A/1800/VT



Spectral Noise:

1Hz	48 μ g/ \sqrt Hz
10Hz	23 μ g/ \sqrt Hz
100Hz	250ng/ \sqrt Hz
1kHz	61ng/ \sqrt Hz

Options:

- Hermetic TNC connector version: ref. A/1800/TC
- High Temperature version – HT
- Other sensitivities available.

	Metric	Imperial
Voltage sensitivity $\pm 10\%$	1.02 V/(m/s ²)	10V/g
Resonant frequency kHz	≈ 4	≈ 4
Voltage sensitivity deviation re 20°C/68°F	5% @ -50°C +5% @ +125°C	5% @ -58°F +5% @ +257°F
Case Material	s/steel 303 S31	s/steel 303 S31
Supply Voltage V dc	15/ 35	15/ 35
Supply Current mA	2/ 20	2/ 20
Bias Voltage V DC (20°C)	8.5/ 9.5	8.5/ 9.5
Cross axis error % max	5%	5%
Frequency Response	0.2Hz – 1kHz $\pm 5\%$	0.2Hz – 1kHz $\pm 5\%$
Mounting	Base tapped ¼ UNF x 4mm deep	Base tapped ¼ UNF x 0.16in deep
Maximum continuous g level	4,903m/s ²	500g
Weight	400gm (T, TC) 407gm (VTC)	14.1oz (T, TC) 14.36oz (VTC)
Connector	10-32 UNF Microdot, (A/1800/V & T) TNC (A/1800/TC)	10-32 UNF Microdot, (A/1800/V & T) TNC (A/1800/TC)
Case Seal	Welded, hermetic connector (TNC)	Welded, hermetic connector (TNC)
Size	38.1 (A/F) x44mm	1.5 (A/F) x 1.73in