A/33

Tri-axial charge accelerometer

7 pC/g, water cooled, flat base, 3x Top Entry 10-32 Microdot Connectors

KEY FEATURES

- 0.7Hz to 4kHz frequency range
- 7pC/g nominal sensitivity
- Anodized aluminum body
- Flat base for use on flat mounting surface
- 38 grams

WATER COOLING

- Via 2x Titanium pipes
- 0.5 litres/min reccomended waterflow

INCLUDED WITH DEVICE

- Sillicone tubing
- General purpose 12V pump

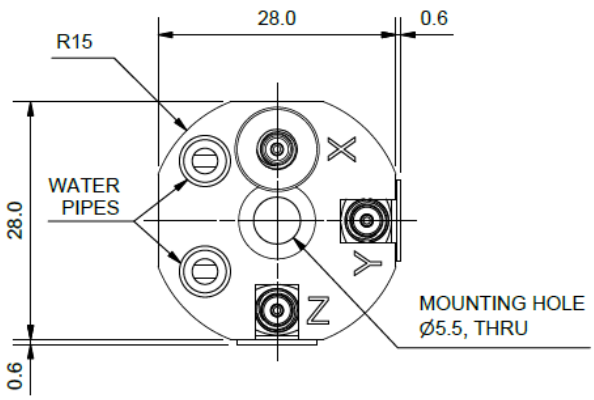
OPTIONS

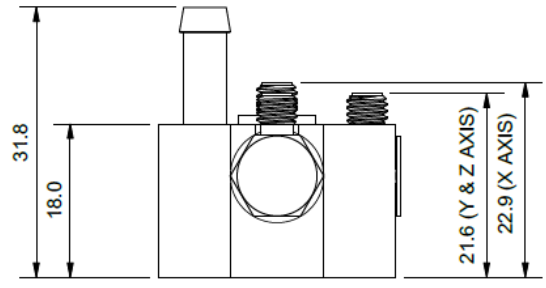
- A/33-1 - Raised base for irregular surface mounting
- Extended low & high frequency calibration

TYPICAL CABLE OPTIONS

- MP2/BC1/T18/30 - Microdot to BNC, low noise co-axial, 3 meters
- MP2/MP2/T18/30 - Microdot to Microdot, low noise co-axial, 3 meters
- Other options and lengths available

A/33 ACCELEROMETER DIMENSIONS





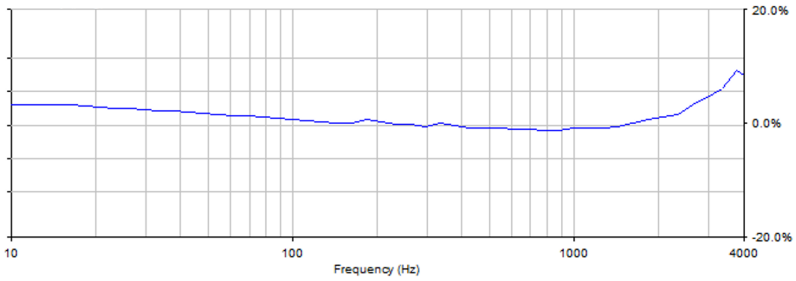
All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance	
Charge Sesnsitivity	7pC/g nominal
Frequency Response (±5%)	1Hz - 3kHz
Frequency Response (±10%)	0.7Hz - 4kHz
Resonant Frequency	≥15kHz
Pyro-Electric Output	0.15g/°C
Pyro-Electric Corner Frequency	0.005Hz
Cross-Axis Error	≤5%
Electrical	
Capacitance (±10%)	1300pF
Connector	3x 10-32 UNF Microdot
Physical	
Case Material	Titanium inserts, anodized aluminum body
Mounting	1x Ø5.5mm through hole
Reccomended Mounting Torque	N/A
Weight	38.0 grams
Size (mm)	28.0 x 28.0 x 31.8mm
(Inches)	1.10 x 1.10 x 1.25"
Environmental	
Temperature Range (°C)	-50°C to +220°C (without waterflow); -50°C to +900°C* (with waterflow)
(°F)	-58°F to +428°F (without waterflow); -58°F to +1652°F* (with waterflow)
Maximum Shock	1000g
Total Mass Loss (TML)	<0.1%

* = Surface temperature

TYPICAL FREQUENCY RESPONSE



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.

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