



A/136/V High Sensitivity Triaxial Piezo-Tronic IEPE Accelerometer

1mV/g up to 200mV/g ±10% 24.9gm Std Temp.125 °C (HT 185 °C)

Triaxial vibration transducer comprising of three independent Konic Shear IEPE voltage output piezo-tronic accelerometers mounted orthogonally within a titanium block. Each sensor has a fully welded construction and each axis is calibrated individually in addition to the block calibration.

All the Microdot connectors are exiting in the same direction. Each insert is electrically insulated, individually from the housing, thus eliminating ground loop interference.

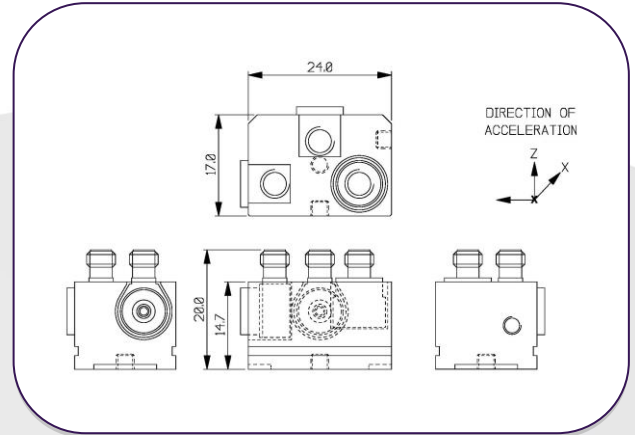
The multi sensor solution also offers the benefit of being repairable. If an insert is damaged it can usually be removed and replaced saving the cost of a new accelerometer.

The A/136 can be adhesive mounted or clip mounted.

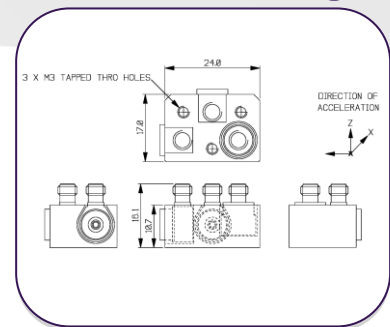
A/36-1 Features M3 cut through holes for mounting.

Also available with DJB's unique high temperature IEPE solution capable of testing up to 185°C as an option.

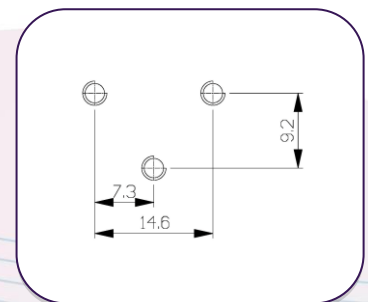
A/136 Drawing



A/136-1 Drawing



A/136-1 Cut through holes



	Metric			Imperial		
	0.1 mV/(m/s ²)	1.02 mV/(m/s ²)	10.2 mV/(m/s ²)	1mV/g	10mV/g	100mV/g
Voltage Sensitivity ±10%						
Resonant Frequency	Z Axis ≈ 21kHz			X/Y Axis ≈ 15kHz		
Typical Frequency Response ±5% ±10%	1Hz-4kHz 0.7Hz-5kHz	1Hz-4kHz 0.7Hz-5kHz	1Hz-4kHz 0.7Hz-5kHz	1Hz-4kHz 0.7Hz-5kHz	1Hz-4kHz 0.7Hz-5kHz	1Hz-4kHz 0.7Hz-5kHz
Cross Axis Error	≤5% max					
Temperature Range	-50/ +125°C (+185°C HT)			-58/+257°F (+365°F HT)		
Voltage Sensitivity Deviation	-5% @ -50°C +5% @ +125°C ±10% @ +185°C			-5% @ -58°F +5% @ +257°F ±10% @ +365°F		
Supply Voltage	15/35 V DC					
Supply Current	2/20 mA					
Bias Voltage	8/10 V DC					
Setting time to 90% final val.	<1 sec					
Max Continuous accn.g sine	9806m/s ²			1000g		
Saturation Limit	49033m/s ²	4903m/s ²	490.3m/s ²	5000g	500g	50g
Case Material	Titanium Grade 2					
Mounting	Adhesive/ 3x M3 Tapped Holes/Clip					
Weight	24.9g			0.88oz		
Case Seal	Welded					
Size	24 x 17 x 14.7mm			0.95 x 0.66 x 0.58in		
Connector	3 x 10-32 UNF Microdot					
Base Strain Sensitivity	≤ 5%					

Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes

DJB Instruments (UK) Ltd
Finchley Avenue,
Mildenhall, Suffolk IP28 7BG

Tel +44 (0)1638 712 288
Email sales@djbstruments.com
Web www.djbstruments.com

A UK company with UK-based manufacturing, assembly and calibration in-house.

DJB Iss.4 2018

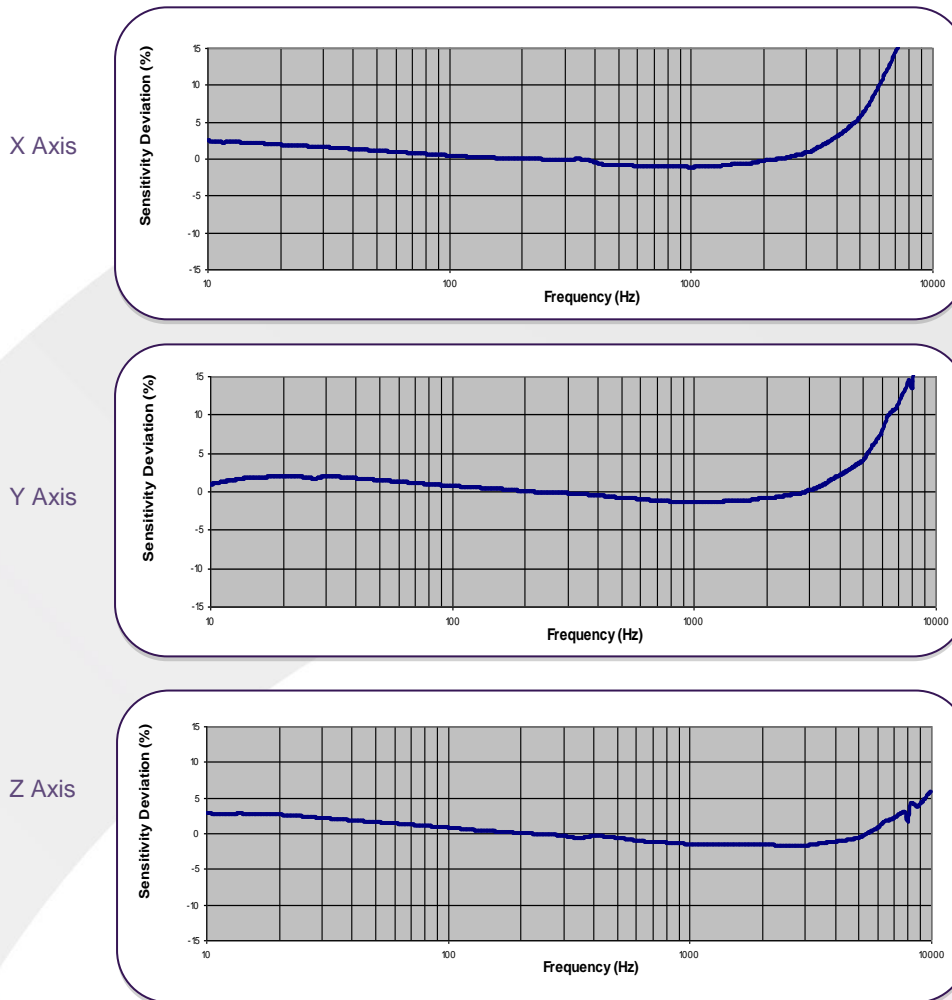


FM11310



**A/136/V High Sensitivity
Triaxial Piezo-Tronic IEPE Accelerometer**
 1mV/g up to 200mV/g $\pm 10\%$ 24.9gm Std Temp. 125 °C (HT 185 °C)

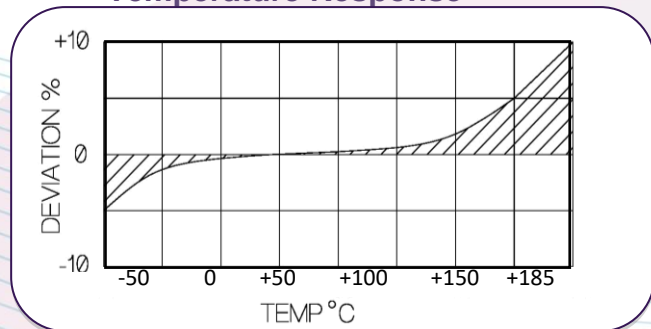
Typical Frequency Response



Typical Spectral Noise (100mV/g)

1Hz	345 μ g/ \sqrt Hz
10Hz	156 μ g/ \sqrt Hz
100Hz	44 μ g/ \sqrt Hz
1kHz	12.1 μ g/ \sqrt Hz
10kHz	8.2 μ g/ \sqrt Hz

Temperature Response



Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes

DJB Instruments (UK) Ltd
 Finchley Avenue,
 Mildenhall, Suffolk IP28 7BG

Tel +44 (0)1638 712 288
Email sales@djbinstruments.com
Web www.djbinstruments.com

DJB Iss.4 2018



FM11310

A UK company with UK-based manufacturing, assembly and calibration in-house.