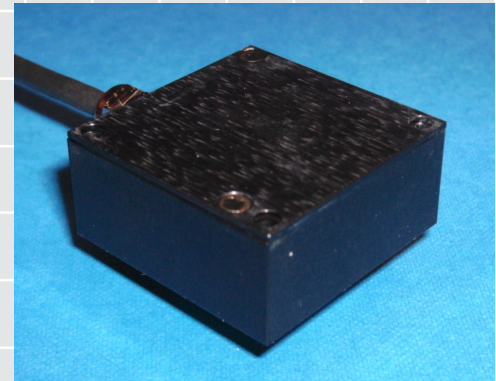




Sense  
Measure  
Control

## KAT Series Triaxial Low Bandwidth Accelerometer

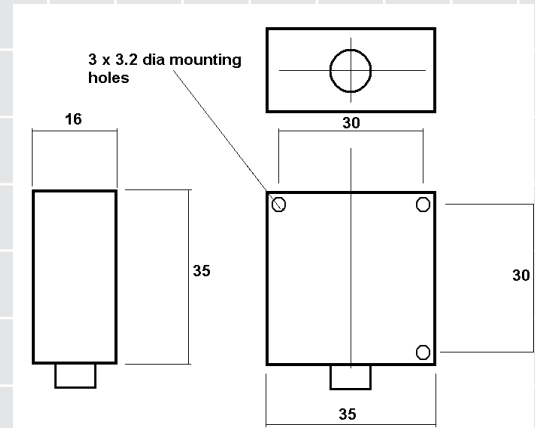
- **Miniature size**
- **Ranges  $\pm 5, 6, 7.5, 10, 20, 30G$**
- **0 to 20Hz bandwidth**
- **3 axes of measurement**
- **Rugged construction**
- **High overrange**



The KAT series of triaxial accelerometers are designed for true inertial measurements on race vehicles. The use of low bandwidth sensing elements ensures that high frequency vibration does not effect the measurements.

Different ranges can be fitted to each axis.

Customisation of the accelerometer is possible to suit complex applications.



Parameter	Value
Range	$\pm 5, 6, 7.5, 10, 20g=X=Y=Z$ (Others upon request)
Over range without damage	$\pm 20,000g$
Transverse sensitivity	$\pm 1\%$ FS
Linearity	$\pm 1\%$ FS
Bandwidth	20Hz @ 3dB (Others upon request)
Supply voltage	5V or 8-16V
Current	15mA/channel
Output voltage offset	2.5V
Output voltage full scale	$\pm 2V$
Output voltage span	0.5 to 4.5V
Output impedance	$< 10\Omega$
Minimum load impedance	10k $\Omega$
Insulation Resistance	$> 100M\Omega$ @ 50V
Operating temperature range	-20 to 100degC
Compensated temperature range (CTR)	20 to 100degC
Zero shift in CTR	$< 1.2\%$ FS
Sensitivity shift in CTR	$< 1.2\%$ of reading
Noise density	$< 1mg/\sqrt{Hz}$
Material of construction	Black Anodised aluminium
Electrical connection	5 core + Screen, 55spec cable 26AWG + DR25 sleeve Connector also available
EMC protection	EN50082-1
IP rating	IP65

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