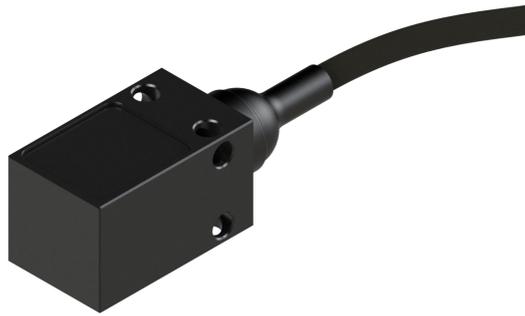


## KAH SERIES HUB ACCELEROMETER



The KAH Series of Miniature Accelerometers offer a compact and robust solution for Hub Acceleration Analysis.

The sensor offers 1 Axis of measurement within a very small anodised aluminium case. Integral signal conditioning gives a standard signal of 0.5 to 4.5V; ideal for most data acquisition systems.

Supply voltage can be 5V or 8-16V with low current consumption of less than 25mA.

With a bandwidth of zero to 1500Hz, these sensors are useful for applications within component, full vehicle testing and development programs.

### TECHNICAL SPECIFICATIONS

<b>Range (g)</b>	Standard Ranges: 2, 5, 10, 20, 50, 100, 200
<b>Bandwidth</b>	Ranges 2-10g: 0-1500Hz Ranges 20-200g: 0-400Hz
<b>Resonant Frequency</b>	5kHz
<b>Safe Over Range</b>	±4000g
<b>Accuracy</b>	<±0.3% FS Linearity
<b>Cross Axis Sensitivity</b>	<±2% FS (±5% for >20g)
<b>Thermal Effects</b>	Zero ±0.03% FS/°C (Sensitivity ±0.03% of Reading /°C)
<b>Output</b>	0.5V to 4.5V (Offset 2.5V)
<b>Supply</b>	5V (±0.5V) Ratiometric or 8-16Vdc
<b>Operating Temperature Range</b>	-55°C to +125°C
<b>Compensated Temperature Range</b>	0°C to +100°C
<b>Noise</b>	>15mg√Hz
<b>Construction</b>	Anodised Aluminium
<b>Electrical Connection</b>	50cm, 55Spec, 26AWG Cable + DR25 Sleeve
<b>Protection Class</b>	IP66
<b>EMC Protection</b>	EN 50082-1
<b>Weight</b>	25g (Excluding Cable)
<b>Options</b>	Connector Fitted and Part Number Labelling

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

## Sensors For Motorsport

### Features

- Miniature Size
- ±2g to ±200g
- 1 Axis Output
- DC Response
- Rugged Design
- Built-In Amplifier

### Applications

- Hub Acceleration
- Structural Analysis
- Aero Performance
- Suspension Test
- Launch Control
- Braking

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# PART NUMBER CONFIGURATOR

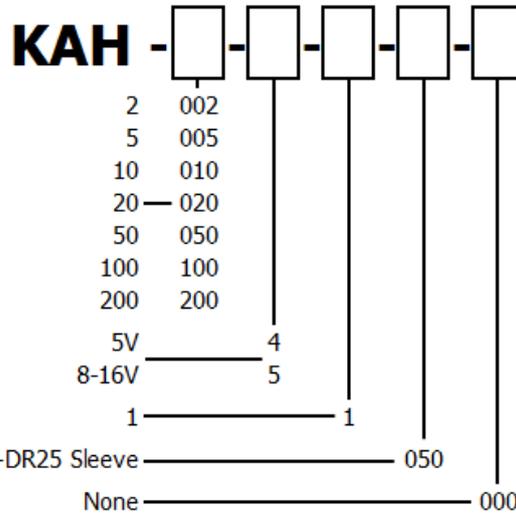
Range ( $\pm g$ )

Supply

Number of Axis

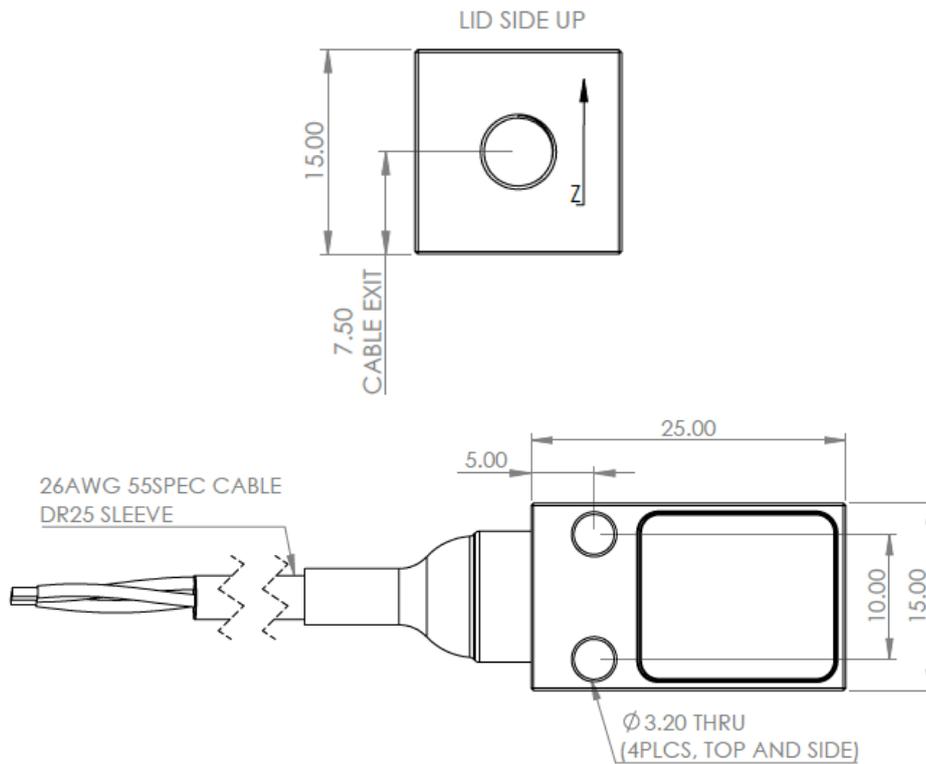
Cable Length

Special Code



The KA configuration tool is used to specify a standard KA Sensor, other options are available.

## MECHANICAL DETAILS



## CONNECTION DETAILS

+Ve Supply	0V Supply	Output
Red	Black	White

*Sense  
Analyse  
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

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