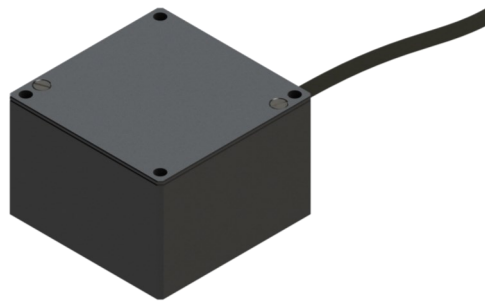


KAA3I SERIES TRIAxIAL ACCELEROMETER



The KAA3I Series of Miniature Accelerometers offer a compact and robust solution for the motorsports and automotive testing industry.

The sensor offers 3 Axis of measurement with integral signal conditioning to give a standard signal of 4 to 20mA output with a supply voltage of 12-32V.

With a bandwidth of 0 to 1KHz ($\pm 5\%$), these sensors are useful for applications within component, full vehicle testing and development programs.

TECHNICAL SPECIFICATIONS

Range (g)	± 15
Bandwidth	0-1KHz
Resonant Frequency	5kHz
Safe Over Range	$\pm 4000g$
Linearity	$\pm 0.5\%$ FS Linearity
Output Offset	4mA $\pm 1\%$ FS
Output Full Scale	20mA $\pm 1\%$ FS
Insulation Resistance	$>100M\Omega$ @ 50V
Supply	12-32Vdc
Operating Temperature Range	$-40^{\circ}C$ to $+85^{\circ}C$
Compensated Temperature Range	$20^{\circ}C$ to $+70^{\circ}C$
Noise	$>15mg\sqrt{Hz}$
Zero Shift in CTR	$<0.03\%$ FS/ $^{\circ}C$
Sensitivity Shift in CTR	$<0.02\%$ of Reading/ $^{\circ}C$
Electrical Connection	6 Core + Screen, 24AWG Polyurethane Insulated Cable
Protection Class	IP67
EMC Protection Class	EN 50082-1
Weight	100g (Excluding Cable)
Options	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
- $\pm 15g$
- 3 Axis Outputs
- DC Response
- Rugged Design
- Built-In Amplifier

Applications

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

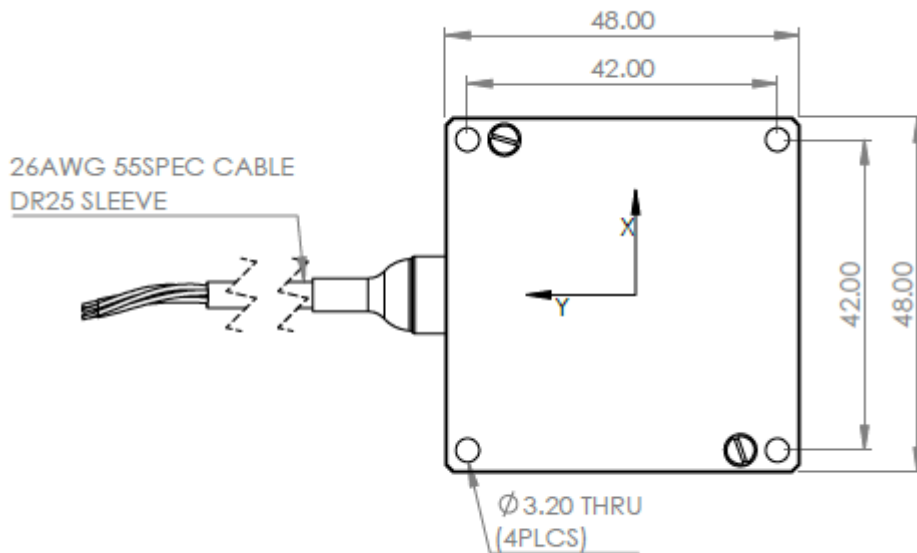
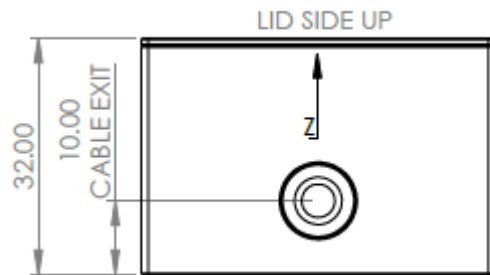
kasensors.com

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+44(0)1476 568057

KAA3I 10.18

MECHANICAL DETAILS



*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

KA Sensors Ltd
Unit 14 & 15
The Old Malthouse
Springfield Road
Grantham
Lincolnshire
United Kingdom
NG31 7BG

CONNECTION DETAILS

Output (X)	Output (Y)	Output (Z)
+ Red	+ Orange	+ Brown
- Yellow	- Green	- Black

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