

# KA Sensors Ltd

Sensing - Measurement - Control Solutions for Motor Sports

- **Miniature size**
- **Convert mV to Volts, Current**
- **Low cost**
- **Rugged construction**

The KAM Series of miniature in-line amplifiers are designed to enable simple low cost upgrade of low level strain gauge type sensors, into high level output devices.

Many options are available to suit specific applications. Please contact us to discuss your requirements.

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**Supply:** 8-32V, 5V,  $\pm 15V$   
**Supply current:** 25mA max  
**Strain gauge supply:** 5V  
**Strain gauge input:** 2mV/V to 63mV/V  
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**Output:** 0.5 to 4.5V  
0 to 10V  
4-20mA  
 $\pm 10V$

**Output impedance:** <11k $\Omega$   
**Loop resistance on 4-20mA:** 1000/800 $\Omega$  @ 24V  
**Bandwidth:** <1000Hz  
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**Operating temp:** -40 to +85 $^{\circ}C$   
**Storage temp:** -55 to +120 $^{\circ}C$   
**Compensated temp:** -20 to +70 $^{\circ}C$   
**Temp effect on zero:** < $\pm 0.002\%$  FS/ $^{\circ}C$   
**Temp effect on sens:** < $\pm 0.005\%$  of reading/ $^{\circ}C$   
**Construction:** Anodised aluminium  
**Cable:** 1 metre cable in/out  
**Environmental:** IP65  
**Weight:** <30grammes without cable  
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**Options:**

- 150 $^{\circ}C$  operating temp range
- CAN, RS232, RS485
- Cable length
- Improved temperature calibration
- Calibration with sensor
- Connectors fitted
- Multi channels
- Rail Mountings for panel installation

## KAM Series In-Line Amplifier

