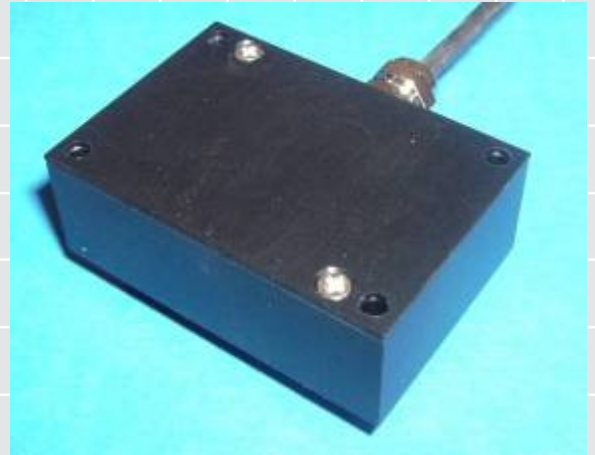




Sense  
Measure  
Control

## KG Series- Angular Rate Sensor

- **Miniature size**
- **$\pm 75^\circ/S$  or  $\pm 200^\circ/S$**
- **High Accuracy**
- **Low cost**
- **Rugged construction**



The KG Series of miniature angular rate sensors (Gyros) offer a compact yet robust solution for the motor sports industry.

Measurements of pitch, roll & yaw rate. Rate of lean. Rate of steering change.

KA Sensors Ltd have over 15 years of experience with transducer applications in motor sport, we are therefore able to fully understand the complex requirements of racing and are available to assist with any application.

Range	$\pm 75^\circ/S$ or $\pm 200^\circ/S$
Linearity	$< \pm 1.0\%$ FS
Supply	5V dc or 8-16V dc (35mA), (100mA on startup)
Sensitivity	10mV/ $^\circ/S$ (200 $^\circ/S$ range), 27mV/ $^\circ/S$ (75 $^\circ/S$ range)
Offset at rest	2.5V
Operating temp	-40 to +100 $^\circ C$
TC Offset	$< \pm 3^\circ/S$
TC Sensitivity	$< \pm 3\%$
Bandwidth	30Hz (200 $^\circ/S$ range), 40Hz (75 $^\circ/S$ range)
Noise	4mVrms – 8mV rms
Cross axis sensitivity	$< 5\%$
Linear Acceleration	$< 100g$
Vibration	2g rms (20 to 2kHz random)
Shock	200g (1mS half shine)
Construction	Aluminium case Anodised black
Cable	1metre 26 AWG,55 spec, DR25 over
Environmental	IP65
Weight	$< 50g$ not including cable

