



Sense  
Measure  
Control

## KA-GST Gear Lever Load Cell

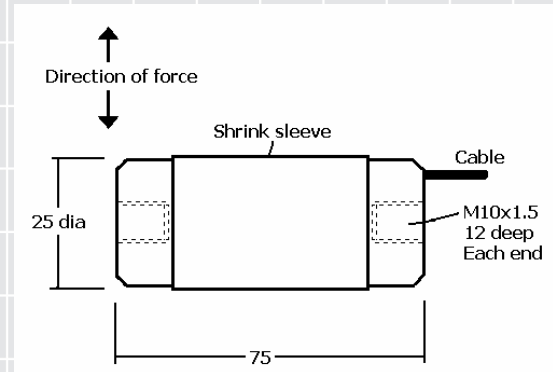
- **±500 or 1000N range**
- **For Sequential or 'H' Pattern Gearbox**
- **Rugged construction**
- **5V or 8-16V supply**
- **Low cost**



The KA-GST Series of gearshift load cells are designed for the measurement of the force applied by driver during gearshift.

The load cell is installed directly onto the gear lever, with optional dome top cover. The built-in amplifier provides a high level voltage suitable for connection to the ignition cut ecu.

Option of adjustable switch output is also available.



Parameter	Value
Range	±500 or 1000N (Others upon request)
Over range without damage	±2000N
Linearity	±0.25% FS
Supply voltage	5V or 8-16V
Current	25mA
Output voltage offset	2.5V for H Pattern, 0.5V for Sequential (others available)
Output voltage span	0.5to 4.5V
Insulation Resistance	>100MΩ @ 50V
Operating temperature range	-20 to 85°C
Compensated temperature range (CTR)	0 to 85°C
Zero shift in CTR	<1.5%
Sensitivity shift in CTR	<1.5% of reading
Material of construction	Aluminium
Electrical connection	3 core + Screen, 55spec cable 26AWG + DR25 sleeve Connector also available Cable exit radial
IP Rating	IP65
Mechanical dimensions	25 dia x 73mm long, M10x1.5 female Thread each end 12mm deep (Others available)