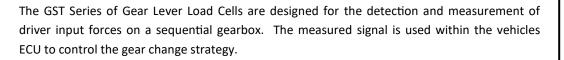


## **GST SERIES GEAR LEVER LOAD CELL**



The output signal is a linear 0.5 to 4.5V and is proportional to the amount of force applied. Installation is a simple M10 x 1.5 thread or a straight 12.7mm (Quaife type) lever. Construction is aluminium with a built-in amplifier. The supply and signal are compatible with all standard ECUs used in motorsport.

The load cell is supplied from stock without a cover. Two optional covers of either aluminium or nylon are also available from stock, or the user can customise their own cover and fix with a supplied M5 screw.

The typical application is for use as: Flat Shift, Quickshifter, Torque Cut, Ignition Cut and Clutchfree Gearshift on race vehicles.

## **TECHNICAL SPECIFICATIONS**

Range	±150N (approx ±15kg or ±33lbf)	• Steering
Safe Over Range	±2000N (approx ±200kg or ±440lbf)	Machine Control
Accuracy	±0.5% FS Combined Linearity & Hysteresis (CNLH)	General Testing
Thermal Effects	Zero ±0.01% FS/°C (Sensitivity ±0.01% of Reading /°C)	General resting
Supply	5 to 40V d.c. (less than 20mA)	
Output	0.5V to 4.5V (±0.5%) 2.5V at rest with +V in direction of marked arrow	
Operating Temperature Range	-20°C to 85°C	
Compensated Temperature Range	0°C to 85°C	bf1systems.com
Construction	Aluminium	sales@kasensorsm.co
Electrical Connection	100cm, 55 spec, 26AWG Cable + DR25 Sleeve	
Mounting Options	M10 x 1.5 or 12.7mm diameter straight (Quaife)	
Weight (excluding cable)	No Cover: 100g. Aluminium or Nylon Cover: 160g	

Sense

Analyse Control

## Features

- ±150N
- Sequential Gearbox
- **Built-In Amplifier**
- 5V—40V Supply
- ±0.5% Accuracy
- **Rugged Construction**

## Applications

- Gear Shift
- ering
- chine Control
- neral Testing

GST KA020F-DS (rev1)

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

PRESSURE | TEMPERATURE | FORCE | TORQUE | POSITION | SPEED | ACCELERATION | GYRO

