FN7080 SERIES
Gear Stick Load Cell

- **2 and 3 axes measurements**
- **Fits most gear sticks**
- **Compact and ergonomic design**
- **Optional high level output**

Custom design

TECHNICAL CHARACTERISTICS		
Ranges :	Fx	200 to 500 N
	Fy	200 to 500 N
	Fz	200 to 500 N
Non Linearity :	<±0.3% F.S.	
Crosstalk :	<3% F.S.	
Safe Overload :	1.2 x F.S.	
F.S. Output :	1.5 mV/V, 0.5 - 4.5 V, ±5 V	
Supply Voltage :	5 Vdc	
Optional :	10 Vdc, 10-30 Vdc, ±15 Vdc	
Operating Temperature Range :	-20 to 80 °C	
Compensated Temperature Range :	0 to 60 °C	
Electrical Termination :	2 m shielded cable	
Operation :	1/2/3 axes	
Casing Material :	Anodized aluminium	
Protection Index :	IP50	

The **FN7080** is installed in place of the original gear knob on the gear stick of a vehicle to measure the force required to change gear. Force is measured either in two or three directions. An adapter coupled with an interface collar allows a simple and rapid fitting of the FN7080 to the majority of vehicles.
The sensor's geometry and size means that it is as ergonomic as the original gear knob. The ease of mounting enables the FN7080 to be used on a vehicle or on a test bench. An optional version provides direct high level output and makes the FN7080 a favorite among European car builders.
FGP Sensors have many years of experience as a designer and manufacturer of sensing solutions to the automotive industry and can supply standard or custom sensors for specific uses and testing environments.
Consult FGP's Engineering Department for a custom solution to your application.