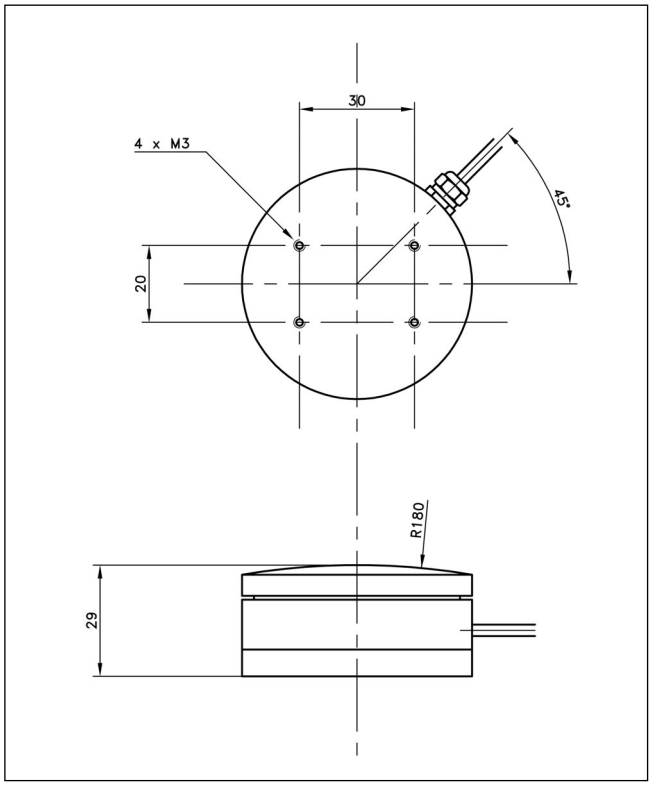
FN2114 SERIES
Pedal Load Cell

- **Compression measurements**
- **High accuracy regardless of point of application of force**
- **Compact and rugged design**
- **Optional high level output**

TECHNICAL SPECIFICATIONS

Ranges :	200, 500, 1000, 2500 N
Non Linearity & Hysteresis :	<±1% F.S.
Safe Overload	1.5 x F.S.
F.S. Output :	1.5 mV/V
Supply Voltage :	10 Vdc
Operating Temperature Range :	-20 to 80 °C
Compensated Temperature Range :	0 to 60 °C
Electrical Termination :	2 m shielded cable
Operation :	Compression
Casing Material :	Aluminium alloy
Protection Index :	IP50
Optional High level output	
F.S. Output :	0.5 to 4.5 V / ±5V
Supply Voltage :	10 to 30 Vdc / ±15 Vdc

The FN2114 load cell has been developed for pedal load testing. Its small size allows the sensor to be easily installed on the pedals of any vehicle or a fatigue/endurance test bench.
Since the forces to be investigated on the brake, clutch or accelerometer pedals are different, and vary from a small car to a heavy goods vehicle, FGP Sensors offers different measurement ranges from 200 N up to 2500 N.
With an internal mechanical decoupling system, accuracy is 1% F.S., regardless of the point of application of force. On-board amplification for high level output is optionally available for all ranges.
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.
To meet your needs we also offer complete turnkey systems. The matched components (sensor, power, amplifier and digital display) are formatted, calibrated and ready for immediate use.



A slimline version is available under reference ***FN 2570***

北京赛斯维测控技术有限公司
北京市朝阳区望京西路48号
金隅国际C座1002
电话：+86 010 8477 5646
传真：+86 010 5894 9029
邮箱：sales@sensorway.cn
http://www.sensorway.cn