The FN2114 series pedal load cell's 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, we offer different measurement ranges as standard.

With an internal mechanical decoupling system, accuracy is 1% F.S., regardless of the point of force application. Integrated amplifier for high level output is optionally available for all ranges. A similar pedal load cells with thicker dimension exists as model FN2570. With many years of experience as a designer and manufacturer of sensors, we often work with customers to design or customize sensors for specific uses and testing environments. On request, instruction documents can be provided to ease the selection and use of our sensors and provide helpful tips.

**Benefits**
- Ranges 200 to 2500 N (40 to 500 Lbf)
- Aluminum body
- Cable Gland Output
- Accuracy 1% regardless force application point
- Compression only
- Integrated amplifier optional
- Rugged design
Applications
- On-board vehicle equipment
- Test bench equipment
- Laboratory and research

Other Auto Safety Sensors

Features

**Product Type Features**

| Sensor Type          | Automotive Load Cells |

**Electrical Characteristics**

| Full Scale Range (Newton) | 200 - 2500 |
| Full Scale Range (lbf)    | 40 - 500   |
| Supply Voltage (VDC)      | 10, 10 - 30, ±15 |

**Signal Characteristics**

| Output Signal              | ±2 mV/V, ±2 V, ±5 V, ±5 V |

**Usage Conditions**

| Operating Temperature Range (°C) | -20 - 80 |
| Operating Temperature Range (°F) | -4 - 176 |

**Other**

| Force Direction | Compression |
| Protection Index | IP50 |
| Accuracy (% of FS) | ±1 |

**Related Materials**

Data Sheet

FN2114
English
PEDAL LOAD CELL
TE Model #: FN2114
TE Internal #: CAT-FLS0036

Specification Or Standard
INSTRUCTIONS FOR THE USE OF STRAIN-GAUGE SENSORS (FRENCH)
French

Specification Or Standard
INSTRUCTIONS FOR THE USE OF STRAIN-GAUGE SENSORS
English

Also in the Series | MEAS FN2114

Force Load Cells(1)