

Pedal Force Sensor - PFS

Our pedal force sensors are specially designed for the measurement of foot forces on brake pedals. The pedal force sensor is mounted directly on the brake pedal for the measurement. An overload safety device protects the pedal force sensor against mechanical destruction.



FEATURES

- Available ranges upto 1500 N
- Cast construction (IP 65 Protection)
- Option with hand display.
- Optional integrated measuring amplifier.

APPLICATIONS

- Brake force measurement on vehicles

TECHNICAL SPECIFICATION

Model	Pedal Force Sensor
Nominal load Range	1000N / 1500N
Overload limit	1000N / 1800N
Accuracy	±0.5% F.S
Degree of protection	IP65
Operating temperature range	-10°C to +50°C
Cable	4 x 0.14 high -flexibility PVC, length 2m or spiral cable, length 0.5 to 4m
Options	Analog Output - 0~5V dc, 4~20mA

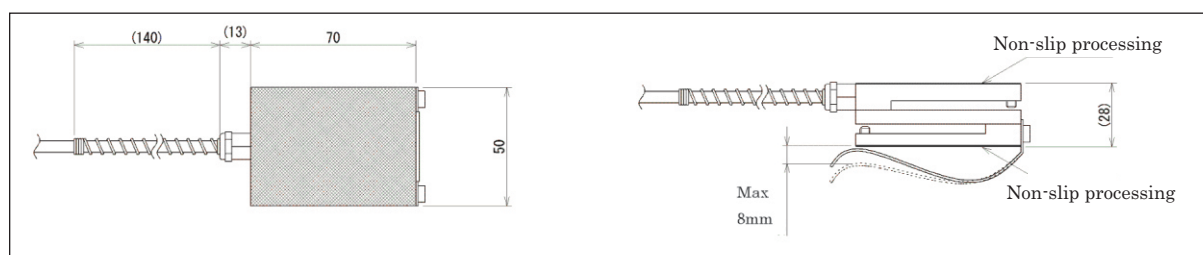
CONNECTING THE PEDAL FORCE SENSOR

The pedal-force sensor must be connected as described below to a power supply and evaluation electronics which process a current or voltage signal.

CONNECTION WITHOUT MEASURING AMPLIFIER

Pin Configuration	Parameters
Output Signal	1mV/V
Brown	Exc +ve
White	Exc -ve
Green	Sig +ve
Yellow	Sig -ve
Grey	Shield

DIMENSION DETAILS



Specifications are subject to change without Prior notice