



Pedal Force Transducer

Pedal Force

Transducer

for

Measurement of Force Exerted on the Brake Pedal During Brake Tests

- Determine force exerted on the brake pedal during brake tests
- Record the pedal force independent of the angle of activation
- Applicable for use with brake test stands and for normal driving



Precision brake force measurement

The CORRSYS-DATRON Pedal Force Sensor measures the force exerted on the brake pedal during brake tests.

The Pedal Force Transducer mounts quickly and easily using a rubber strap.

The sensor can be used with brake-test stands or directly during normal driving.

Pedal force measurements are independent of the angle of the activation force.

Two versions of the sensor are available:

1. Signal transducer with digital display / 1st sensing range (Art. No. 11400)
2. Signal transducer with digital display / 2nd sensing range (Art. No. 12018)

The signal transducer is connected to the display unit via a spiral cable. A potentiometer enables zero adjustment of the display.

Version 1 and 2 offer two operating modes:

- Display of the current pedal force
- Display and storage of the maximum achieved pedal force

Art. No.:

1st Sensing range 11400

2nd Sensing range 12018

Typical Technical Data

1. Sensor

Measurement range:	0 – 1500 N
Measurement accuracy:	3% average, 7% maximum
Linearity:	0.1%, 0.7% with integrated signal option
Analog output:	1 mV/N
Dimensions sensor:	50 x 65 x 35 (without fastening element for the rubber strap)
Dimensions digital display unit:	80 x 160 x 65 mm

2. Sensing ranges for measuring

Sensing range 1 (Art. No. 11400):	0 ... 1500 N / 1mV/N
Sensing range 2 (Art. No. 12018):	0 ... 250 N / 6 mV/N

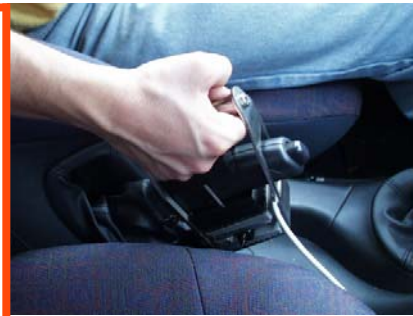
- clutch-pedal force
- accelerator-pedal force

3. Pintle force

Art. No. 11218

4. Special versions

on request



Pintle Force Art.-No 11218

Pinassignment

Pin	Signal
Pin 1	n.c.
Pin 2	+12V excitation
Pin 3	Signal GND
Pin 4	n.c.
Pin 5	Positive signal
Pin 6	Excitation GND

