



Pedal Force Transducer

Pedal
Force
Transducer

for

**Measurement of Force Exerted on
the Brake Pedal During Brake Tests**

Capabilities

- 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



Pedal Force Transducer

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.

Three versions of the sensor are available:

1. Signal transducer with digital display unit (Article no. S32002)
2. Signal transducer with analog display unit (Article no. S32005)
3. Signal transducer with built-in electronic (Article no. S32006)

In versions 1 and 2, the signal transducer is connected to the display unit via a spiral cable. An analog output is available at the display unit. 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

Version 3 displays an analog signal representative of actual pedal force for direct connection to data acquisition.



Typical Technical Specifications

Measurement range	0 – 1500 N
Measurement accuracy	3% average, 7% maximum
Linearity	0.1%, 0.7% with integrated signal option
Analog output	10 mV/kP
Dimensions	
Digital display unit	80 x 160 x 65 mm
Analog display unit	80 x 160 x 75 mm

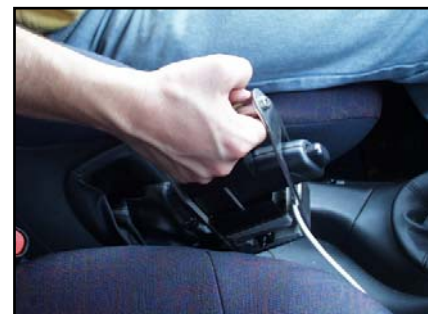
Pintle force

Article no. 1.010.01

2. Measurement range for measuring

- clutch-pedal force
- accelerator-pedal force
- measurement range 0 to 15 kp switchable
other measuring ranges on request

Article no. 1.010.02



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In a continuous effort to improve our products, CORRSYS-DATRON reserves the right to change specifications without prior notice.

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