

PFT Sensors

Pedal Force Sensors

Type CPFTB, CPFTC

For measurement of force exerted on the brake pedal and hand-brake levers of motor vehicles during brake tests.

- Compact and robust
- Easy, quick, and secure mounting
- Exact measurement independent of the angle of activation
- Overload protection

Description

For use with brake test stands and for normal driving. Pedal force measurements are independent of the angle of the activation force. The sensors put out an analog signal according to the pedal force.

Type CPFTB... is suited for use with passenger cars or trucks. Mounting is effected quickly and easily using a special clamp, either on the brake pedal or the hand brake lever.

Type CPFTC... is suited for use with motor bikes. Easy mounting with rubber strap on the hand brake lever.

Application

For determination of the forces exerted on the brake pedal or hand brake lever during brake tests.

Technical Data

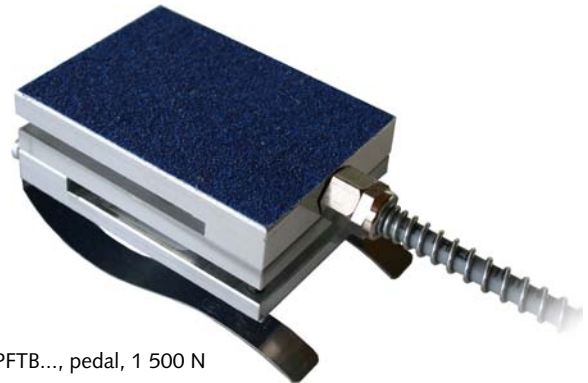
| Performance Specifications | | CPFTB... | CPFTC... |
|----------------------------|------|--------------------|-----------|
| Measurement range | N | 0 ... 1 500 | 0 ... 500 |
| Overload | N | 1 800 | 600 |
| Measurement accuracy | %FSO | ±0,5 | |
| Output range | V | 0 ... 2 or 0 ... 5 | |

Interface Outputs

| | | |
|----------------------|---|--------------------|
| 6 pin Lemo connector | V | 0 ... 2 or 0 ... 5 |
|----------------------|---|--------------------|

System Specifications

| | | |
|----------------------------|----|------------|
| Power supply ¹⁾ | V | 11 ... 25 |
| Temperature range | °C | -10 ... 50 |
| Protection standard | | IP65 |
| Dimensions | | |
| Sensor (LxWxH) | mm | 50x70x27 |
| Display (LxWxH) | mm | 110x204x41 |



CPFTB..., pedal, 1 500 N



CPFTC..., hand lever, 500 N

Mounting



Fig 1: Sensor type CPFTB... mounted at the brake pedal



Fig. 2: Sensor type CPFTB... mounted at the hand brake lever of a car



Fig. 3: Sensor type CPFTC... mounted at the hand brake lever of a motorbike

Included Accessories

- Calibration
- Multimedia CD incl. software & manuals

Type/Art. No.

KCD16927
KCD11343

Additional for CPFTB1 (Pedal)

- Charging device with power supply unit
- Plastic case
- Foam case inlay

Type/Art. No.

KCD17207
KCD15177
KCD15179

Optional Accessories

- Belt for mounting the hand force sensor

Type/Art. No.

KCD17028

Ordering Code

- Pedal force sensor
- Hand-lever force sensor

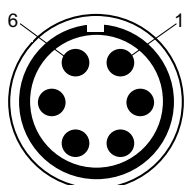
Type CPFTB

Type CPFTC

(Art. Nr. auf Anfrage)

Pin Assignment

| Pin | Signal |
|-----|---------|
| 1 | n.c. |
| 2 | +12 V |
| 3 | Signal– |
| 4 | n.c. |
| 5 | Signal+ |
| 6 | GND |



Type: Lemo 6 pin male