

## HFT sensors

### Hand-lever force sensors

Type CHFTA...

For measurement of force exerted on the hand-brake levers of motor bikes during brake tests.

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

#### Description

Applicable for use with brake test stands. Hand-lever force measurements are independent of the angle of the activation force. The sensors put out an analog signal according to the hand-lever force. Easy mounting with rubber strap on the hand brake lever.

#### Application

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

#### Technical data

##### Performance specifications

|                      |      |           |
|----------------------|------|-----------|
| Measurement range    | N    | 0 ... 500 |
| Overload             | N    | 600       |
| Measurement accuracy | %FSO | ±0.5      |
| Output range         | V    | 0 ... 5   |

##### System specifications

|                             |    |            |
|-----------------------------|----|------------|
| Power supply                | V  | 11 ... 25  |
| Operating temperature range | °C | -10 ... 50 |
| Degree of protection        |    | IP65       |
| Dimensions                  | mm | 122x30x31  |



## Mounting

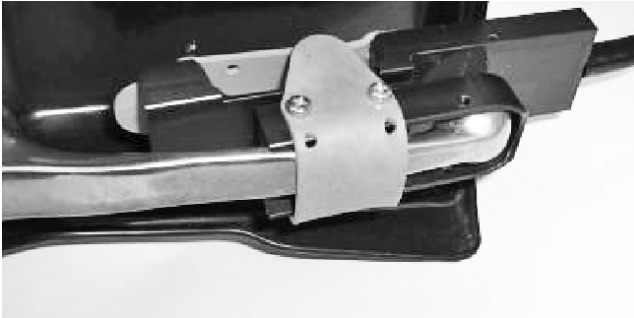
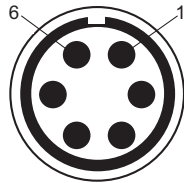


Fig. 1: Sensor Type CHFTA... mounted at the hand brake lever of a motorbike

## Pin assignments

### 6-pin LEMO connector

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



Type: 6-pin LEMO  
View: male insert  
cable connector

### Open end

| Color  | Signal |
|--------|--------|
| Brown  | +12 V  |
| Green  | Signal |
| White  | GND    |
| Yellow | n.c.   |

## Included accessories

- Calibration
- USB stick software + manuals
- Rubber strap for mounting
- Transport case PFT/HFT, complete

## Type/art. no.

44000653  
55158846  
55064882  
55123087

## Ordering key

Type CHFTA

### Cable

|                       |   |
|-----------------------|---|
| Open-ended, l = 5 m   | 1 |
| 6-pin LEMO, l = 5 m   | 2 |
| 1x BCN/bunch, l = 5 m | 3 |

## Ordering example

Type CHFTA1

Hand-lever force sensor with open-ended cable