



Series 2.0 for cars / HGVs

Series 1.0 for two-wheelers

Description

HKM pedal force meters are specially designed for the vehicle testing field. The pedal force meter for cars and HGVs measures forces acting on the foot pedal or the parking brake. To make a measurement, the force transducer is simply clipped onto the pedal with a clamp strap or attached to the parking brake with a strap. The pedal force meter for two-wheelers is used for measurement of the forces on the handbrake lever of motor cycles.

We offer various options for the data output:

With the first option, the readings can be output in analogue form. The transducer is fitted with an integrated measuring amplifier for this.

Another output variant consists of a combination of the pedal force meter and an HKM hand-held terminal. The readings can be read off from the terminal display and the maximum value retrieved by simply pressing a button. Depending on the hand terminal, there is the possibility of connecting an optional printer.

Features

- | Nominal load - car/HGV version - up to 1500 N
- | Nominal load - two-wheeler version - up to 500 N
- | Shallow construction
- | Mechanical overload protection
- | Available with combined hand-held terminal
- | APK approval for Holland in combination with HT6.0 hand-held terminal

Applications

- | Force measurement on car and HGV foot pedals or parking brakes
- | Force measurement on bicycle and motor cycle handbrake levers

Technical data

Force transducer series 2.0 for cars / HGVs:

Nominal load	0-1500 N
Accuracy class	0.5 % f.s.
Protection	IP 65
Dimensions	W 50 x L 70 x H 25 mm
Material	aluminium

Force transducer series 1.0 for two-wheelers:

Nominal load	0-500 N
Accuracy class	0.5 % f.s.
Protection	IP 65
Dimensions	W 26 x L 100 x H 23 mm
Material	aluminium

Connection variants for both force transducers

Analogue output, without evaluation electronics (type PK):

Type	Output	Supply	Cable type	Cable lengths
without measuring amplifier	ca. 1 mV/V	<+10V	FDCY 4 x 0.14 mm ²	1,5 m
with measuring amplifier; current output	4-20 mA 1-9 mA	+10.5 to 18 V	FDCY 4 x 0.14 mm ²	5 m
with measuring amplifier; voltage output	0-2V 0-5V	+11 to 25V	FDCY 4 x 0.14 mm ²	5 m
with measuring amplifier; voltage output	0-10V	+12 bis 30V	FDCY 7 x 0.14 mm ²	5 m

(other cables on request)

Protection	IP 65
Operating temperature range	-10 °C to +50 °C

With handheld indicator HT 6.0 (type PKH / HT 6.0):

LCD display	12 digits, 2 lines
Supply	4 x battery type AA
Protection	IP 40
Operating temperature range	0 °C to +50 °C
Case	ABS BOS 751
Dimensions (w x l x h)	78 x 145 x 44 mm
Approval	APK approval in Holland



With handheld indicator HT 2.0 (type PKH / HT 2.0):

LCD display	8-digit
Analogue output (optionally with cable)	1 mV/N or 1-9 mA
Supply	Integrated rechargeable battery
Mains-socket battery charger (optionally)	Integrated charger electronics
Protection	IP 40
Operating temperature range	-10 °C to +50 °C
Case	ABS (ARTEB 655)
Dimensions (w x l x h)	110 x 204 x 41 mm



Options

Handheld indicator HT 2.0 with RS 232-interface

Pedal force meter with wireless data transmission by radio
(type PKF)

Strap for attaching the force transducer to handbrakes

