HKM Messtechnik

Closing force meter

SKM 1.0

Nominal load up to 1000 N
Mechanical overload safety mechanism
Zero positioning and taring
Low design

Setting and inspection
of car windows and sunroofs
Closing force measurement

Designed,
developed and
made in Germany

Compression forces occurring between two assemblies can be measured with the SKM 1.0 closing force meter. It is particularly suitable for the measurement of closing forces occurring during closing of automatic car windows. The SKM 1.0 measures forces up to 1000 N with a resolution of 1 N.
The closing force meter consists of a force transducer and hand-held terminal connected to each other via a flexible arm. The hand-held terminal display can show the current measured value and the maximum measured value. Our closing force meter is small, handy and powered by four commercially available type AA batteries. The closing force meter is equipped with a mechanical overload safety mechanism.
You can request the firmware version, the date of the last calibration and the serial number of your device via an easy-to-use menu. You can also set the auto-off time for saving the batteries, the desired measuring rate and the display contrast in this menu.

Technical data

- » Operating temperature 0°C to +50°C
- » Storage temperature –20°C to +70°C
- » Cable connection Via a flexible arm, length 200 mm
- » Total weight 0.7 kg

Technical data Force transducer

- » Measurement principle Strain gauge
- » Nominal load 1000 N
- » Spring rigidity approx. 1000 N/mm
- » Degree of protection IP 65
- » Height 30 mm
- » Compression surface 70 mm x 50 mm

Technical data Hand-held terminal

- » Display 12 - digit, 2 - line
- » Display increments/Sensitivity 1 N
- » Accuracy ±3 N
- » Measuring rate adjustable: 10, 20 or 100 Hz
- » Power supply 4 x type AA battery
- » Operating time 8 h continuous operation
- » Auto off-time 8 min
- » Degree of protection IP 40
- » Housing ABS
- » Dimensions L 145 mm x W 78 mm x H 44 mm

Options

- » Nominal load range expandable up to 1500 N

Application