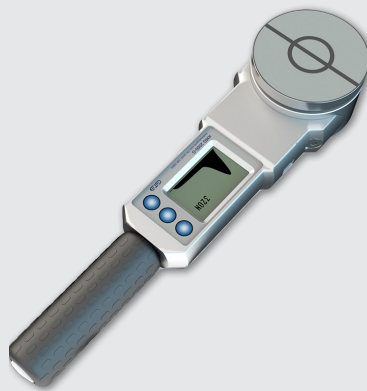


Measuring Device for Determining Dynamic and Static Forces on Closing Edges of Power-Operated Doors and Gates

KMG-2000-G



- Measuring instrument with direct evaluation
- Internal memory for 500 individual measurements
- Intuitive operation
- Illuminated LCD display
- High-quality, robust design
- Overload protection
- Activation of measurement automatically or manually
- Automatic averaging
- Graphic display of the force curve and
- Display of standard-relevant measured values
- USB interface and PC software
- 100 hours battery life

in conformance with DIN EN 12453, DIN EN 16005, DIN EN 17352 and ASR A1.7, DHF protocol TS011 & TS012

Measurement results in next to time

According to the European standard EN 12453 - safety in use of power operated doors - and EN 16005 - automatic door systems - it is mandatory to check the closing forces at the main and secondary closing edges in case of new installation. In addition, the standard specifies the technical requirements of a closing force measuring device. Due to the integrated electronics for force and force / time measurements, the KMG-2000-G is coupled with a compact design, the KMG-2000-G can be used in all areas of power-operated closures. It measures the dynamic and static force over the specified time frame and evaluates the individual measurements. A display shows both the individual measured values and the average values and the average values from three individual measurements required for evaluation.

In addition, it is possible to display the measured values graphically. The internal memory of the instrument allows 500 individual measurements to be saved, which corresponds to a number of 166 standard measurements.

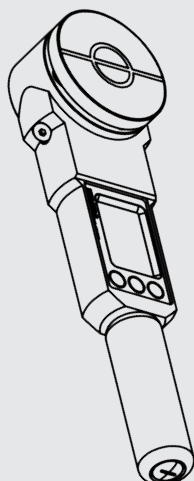
The KMG-2000-G is equipped with a USB interface for data transfer. The software software, which is available as an accessory, offers a precise analysis of individual force curves and with other measurements. In addition, the software allows the printout of test reports, data archiving and data management.



Evaluation Software KMG-Vision

- Easy data import directly from the KMG or from existing projects
- Storage of data about test principles and standards, test center, plant operator and test object
- Measurement reports and ASR forms can be generated individually
- Definition of an assignment table for the test positions required by the standards, alternatively individual creation possible
- Display of each individual measurement as a diagram
- Output of results as Word document
- Windows compatible

Technical Data:



Power supply	2 x 1,2 V) NiMH-battery chargeable by USB
Power consumption	20 mA
Interface	USB
Memory	500 individual measurements, corresponds to 166 standard measurements each
Temperature range	-10 ... +60 °C
Relative humidity	20 ... 90 % RH (non-condensing)
Measuring surface	80 mm Ø, height 50 mm

Dimensions incl. handle	310 mm x 80 mm x 50 mm (l x w x h)
Weight	1400 g
Measuring range	25 N ... 2000 N
Measuring accuracy	typ. < 10 N
Measuring error	25 N ... 200 N: ± 10 N 200 N ... 2000 N: 5 % of measured value
Spring constant	500 N/mm
Anstiegs-/ Abfallzeit	≤ 5 ms