CLOSING FORCE MEASURING DEVICE

FM202-UN-SY-10-600



- **Applicable standards - 2000/4/EC or user-defined**
- **Precise measurement results - ensured by frictionless guide and platform load cell**
- **Robust design - housing made of high-strength aluminium and stainless steel for long service life in**
- **heavy use**
- **Easy to use - operation with a single control button or remotely via Microsoft® DLL**
- **interface or National Instruments® LabView library**
- **Professional, comprehensive PC software - PinchPilot leaves nothing to be desired**
- **Wide measuring range - max. 600 N at 10 N/mm spring stiffness over the entire measuring range**
- **Excess force - applicable for excess force measurement**
- **Complete scope of delivery - all components in high-quality carrying case**

The closing force measuring device is an electronic measuring device for power-operated windows, sliding roofs and doors in the automotive sector and for sliding steps in the rail vehicle sector. It allows measurements up to 600 N with a spring stiffness of 10 N/mm. Its uncompromising design combines precision with practical robustness and ensures accurate measured values even after years of use in harsh environments.

For measurement set-ups in testing and production, quick and easy execution is of great importance. For this purpose, Drive Test has developed software that drastically reduces the measurement procedure and the effort required for documentation. With just a few operating steps, the measurements can be loaded into a PC, evaluated, exported and documented. We provide suitable interfaces (e.g. Microsoft® DLL or National Instruments® LabVIEW) for integration into an automated test sequence.

Specification

Force	
Measuring range	0 ... 100 N
Resolution	0,1 N
Accuracy	±3 N
Force	
Measuring range	100 ... 600 N
Resolution	0,1 N
Accuracy	±3%

General technical data	
Dimensions	- Spring rate: 10 N/mm - Gap width: 40 mm / 1.6 in minimum - Area: 80 x 80 mm / 3.1 × 3.1 in
Sensoren	DMS bridge
Additional description	**FM202** - Force application: one-sided **Display unit SEB2** - Data logger unit with LCD display and LED status indicators, operating button, serial interface - Optional PC-controlled measurement - 9V battery supply - Real-time clock - Memory for 100 measurements - Sensor and PC interface - Peak value display and effective force display - Evaluation display i.O./n.i.O.
Protection class (device)	IP20
Power supply	batteries
Battery/battery	1 x 9 V 9V Block , Alkali-Manganese
Battery capacity	640 mAh
Performance	5,76 Wh
Operating conditions	0 ... 40 °C , 0 ... 90 %RH
Storage conditions	0 ... 40 °C , 0 ... 90 %RH
Dimensions (L x W x H)	300 x 100 x 190 mm
Weight	4200 g

Drive Test GmbH
Im Langel 26, 59872 Meschede
Germany

Telefon: +49 2903 97699 8920
info@drivetest.de