CLOSING FORCE TRANSDUCER FM205/2 FOR AUTOMATIC WINDOW REGULATORS

FM205-WI-SY-10-150



- **Precise measurements - due to friction-free guidance and platform load cell**
- **Robust design - high-strength aluminum and POM ensure a long service life in**
- **tough applications**
- **Ease of use - single button operation or remote control via Microsoft® DLL -**
- **Interface or National Instruments® LabVIEW library**
- **Professional, extensive PC software - PinchPilot leaves nothing to be desired**

The closing force transducer is an electronic closing force measuring device for power-operated windows in the automotive sector. Typical areas of application are testing and production in the automotive industry. For this purpose, we have developed a device that is easy to use for repetitive measurements. Due to the requirements of various common standards, we offer the device with different spring stiffnesses. It is also increasingly used by technical monitoring institutions. Its uncompromising design combines precision with practical robustness and ensures accurate measurements 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, software has been developed that drastically reduces the measurement procedure and the effort required for documentation. With just a few operating steps, the measurements can be transferred to 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 ... 150 N
Resolution	1 N
Accuracy	±3 N (0-100 N) or ±3% (>100 N)

General technical data	
Interface	Micro-USB
Standard(s)	EN 14752:2015
Standard(s) additional information	- EN 81-1 2000-4-EG - FMVSS118 - APTA PR-M-S-18-10 - ASME A17.1 2000 - DIN EN 14752:2005 - 2001-85-EG / ECE R. 107 §35 e (5) StVZO (German Road Traffic Licensing Regulations) - EN14120 DIN 18650-1 - DIN EN 12453 - DIN EN 16005 - DIN EN 60335-2-103 - ASR A1.7 - ECE R-21 - prEN 12650-1
Stiffness	10 N/mm
Gap width	5 mm
Menu language	English, Spanish, German, French, Italian
Protection class (device)	IP43
Power supply	3.7V / 700 mAh
(Rechargeable) battery	1 x 3,7 V LP series , Lithium-ion polymer battery
Capacity	700 mAh
Performance	2,59 Wh
Operating conditions	-10 ... 40 °C , 0 ... 90 % RH
Storage conditions	-40 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	175 x 75 x 57 mm
Weight	400 g

Drive Test GmbH
Im Langel 26, 59872 Meschede
Germany

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