

CLOSING FORCE MEASURING DEVICE

FM208-AU-SY-02-200



- » **Support of relevant standards – 2000/4 EG, US Standard FMVSS 118, ECE-R 21; additional measurement**
- » **with low spring stiffness: 2 N/mm**
- » **Precise measurements - due to friction-free guidance and platform load cell**
- » **Robust design - durable aluminum ensures a long service life in tough use**
- » **Professional, extensive PC software - PinchPilot leaves nothing to be desired**
- » **Complete scope of supply - includes all necessary components for tailgates, windows and**
- » **Sunroofs packed in a high-quality transport case**
- » **Accessories for every application - spacers (200 mm), force introductions (clamp and platform),**
- » **Monopod, Bumper Support Block, Window Support Block, Sunroof Support Block,**
- » **sunroof spacer**

The closing force measuring device is an electronic closing force measuring device for sliding roofs, automatic window lifters and tailgates in the automotive sector. Typical applications are manufacturing, development and production tests in the automotive industry. The closing force measuring device with its low spring stiffness was developed to test soft elements that are clamped into a closing system. The closing force measuring device excels with easy handling for repetitive measurements. Its uncompromising design combines precision with practical robustness and ensures accurate readings even after years of use in harsh environments.

For measurement set-ups in testing and manufacturing, 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 ... 100 N
Resolution	0,1 N
Accuracy	±3 N
Force	
Measuring range	100 ... 200 N
Resolution	0,1 N
Accuracy	±3%

General technical data	
Dimensions	- Gap width: 30 mm - Area: 20 x 20 mm
Sensors	DMS bridge
Additional description	**FM208** Force application: one-sided **Display unit SEB2.2** - Display unit SEB2.2 data logger unit with LCD display and LED status indicators, operating button, USB interface - Optional PC-controlled measurement - Real-time clock - Memory for 100 measurements - Sensor and PC interface - Peak value display and effective force display - Pass/fail indication
Protection class (device)	IP20
Power supply	batteries
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
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)	220 x 80 x 250 mm
Weight	2500 g