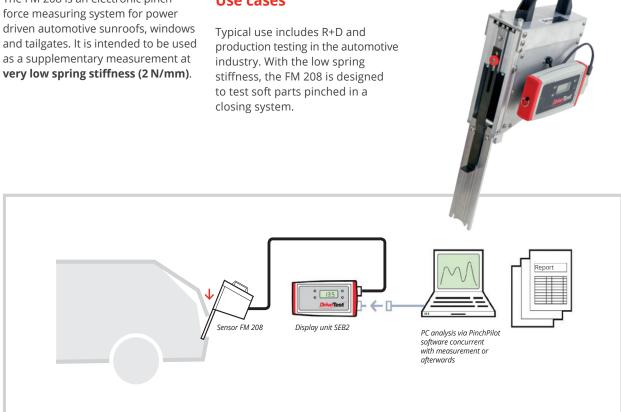


Pinch Force Measurement System for Sunroofs, Powered Window Lifters and Tailgates

The FM 208 is an electronic pinch force measuring system for power driven automotive sunroofs, windows as a supplementary measurement at







FM 208

Technical specifications*

Display unit SEB2	Spacer set	PC Software PinchPilot
 Data logging module (Display unit SEB2) with LCD display, LED states, button and USB interface Optional PC controlled measurements Powered by 9 V bloc battery Onboard real time clock Storage for approx. 100 measurements Sensor and PC interfaces Display of peak force and effective force Instant feedback for test results 	 Complete set of spacers for all intended applications: Tailgate, low gap Tailgate high gap Window Sunroof Ease of use: fast mounting and dismounting, no extra tools required Robust construction: manufactured from durable aluminum/POM 	 Graphical display of force vs. time Calculation of relevant parameters Assessment with respect to different standards Support for user defined standards Printed reports Data export (Excel, CSV, PDF) Available for Windows Vista, 7, 8 and 10 USB connection

Device properties at a glance

Applicable for various power operated devices

- Tailgates
- Window lifters
- Sunroofs

High precision measurement

Uses frictionless guides and a single point (platform) load cell.

Applicable standards

2000/4 EG, US Standard FMVSS 118, ECE-R 21; supplemental measurement at low spring stiffness: 2 N/mm

Robust construction

Manufactured from durable aluminium for long service life in industrial environment.

Complete delivery

Includes all required components for tailgates, windows and sunroofs, packed in a high quality transportation case.

Accessories for each application

- Spacer (200 mm)
- Force initiation, bracket
- Force initiation, platform
- Monopod
- Bumper bar support block
- Window support block
- Sunroof support block
- Sunroof spacer

Technical specifications

Force initiation: one-sided Measurement range: 0–200 N

Accuracy: +/-3 N (0-100 N) or +/-3 % (> 100 N)

Stiffness:2 N/mm ± 10 %Area:20 x 20 mmMeasurement technique:Strain Gauge BridgeSize:ca. 220 x 80 x 250 mm

Weight: ca. 2.5 kg



About us

Drive Test GmbH develops and produces test systems, control units and force sensors for the automotive industry for more than 20 years. Based on these experiences, the FM 208 has been developed.