



Safety ensured by Pinch Force Measurement

DriveTest GmbH develops and produces test-systems for the world-wide use in the automotive and railway industry. As one of the pioneering companies in the field of pinch force measurement DriveTest offers a broad range of different systems for a variety of applications. Every system supports the control of applicable standards. The service comprises the consultation, maintenance and calibration of the measuring devices. Major customers include car manufacturers all over the world.

The FM205 is an electronic force measuring system for power driven car windows. According to standard requirements a large variety of deflection rates is available.

Combining rugged construction with precision, the advanced mechanical design delivers exact measurements, even after years of service in an industrial environment.

Fast and easy performance of repetitive measurements is an important aspect of standard test scenarios.

Drive Test has responded to this requirement by developing software which streamlines the measurement process and drastically reduces documentation effort. Measurements can be loaded into a PC, analysed and documented with a minimum of user entries.

The investment repays itself within a short time.

➔ **Applicable standards** - directive 2000/4/EG, FMVSS118

➔ **Precision measurements** - uses frictionless guides and a single point (platform) load cell.

➔ **Robust construction** - manufactured from durable aluminium for long service life in industrial environment

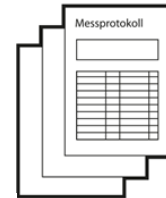
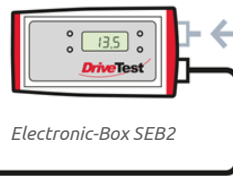
➔ **Ease of Use** - single-button operation

➔ **Professional software**- PinchPilot offers complete functionality

➔ **Different deflection rates available** - 65, 20, 10, 5, 2 N/mm

➔ **Complete delivery** - all components packed in high-quality alu transportation case

Sensor FM205	Electronic-Box SEB2	Spacer set	PC-Software PinchPilot
<ul style="list-style-type: none"> -Force entry: one-sided -Range: 0 – 300N -Precision: +/- 3 N (0-100N) or +/- 3% (>100N) -Available deflection rates: 2,5,10,20,65N/mm -Force sensor: Strain Gauge Bridge -Size: ca. 125x75x55 mm -Weight: ca. 400 g -Temperature range: 0 ... 40°C -Extended temperature range (not f. permanent operation): -40 ... 85°C 	<ul style="list-style-type: none"> -Data logging module SEB2 -optionally PC controlled -LCD-Display -Powered by 9 V bloc battery -Onboard real time clock -Storage for approx. 100 measurements -Sensor and PC interfaces -Peak Force display -Pass/fail evaluation -Temperature range: 0 ... 40°C 	<ul style="list-style-type: none"> -spacer set for provide opening width of -Ease of Use - fast mounting and dismantling, no tools required -Robust construction - manufactured from durable POM for long service life in industrial environment 	<ul style="list-style-type: none"> -Multi-Language (D, GB, I, F, E) -Graphical display of Force -Calculation of relevant results -Assessment with respect to different standards -User defined standard -Report printout -Data export (Excel, Word) -compatible with Windows XP, Vista, 7,8,10



PC analysis via PinchPilot software concurrent with measurement or afterwards.

Available items:



FM205-10-200
 Springrate: 10 N/mm
 Fmin: 0 N (25mm)
 Fmax: 200 N (5mm)



FM205-20-200
 Springrate: 20 N/mm
 Fmin: 0 N (25mm)
 Fmax: 200N (15mm)



Spacer 1
 height: 25mm
 area: 4x60mm
 auto detected



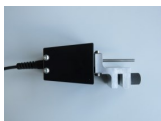
FM205-05-100
 Springrate: 5 N/mm
 Fmin: 0 N (25mm)
 Fmax: 100N (5mm)



FM205-65-260
 Springrate: 65 N/mm
 Fmin: 0 N (25mm)
 Fmax: 260 N (21mm)



Spacer 2
 height: 175mm
 area: 4x60mm
 auto detected



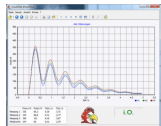
FM205-02-040
 Springrate: 2 N/mm
 Fmin: 0 N (25mm)
 Fmax: 50N (5mm)



SEB2



Spacer 3
 height: 1mm
 area: 10x60mm
 auto detected



PinchPilot
 PC-Software



Transport Case
 FM205
 all-in-one



Analog Adaptor
 Output 3V +/- 3V

Technical specifications subject to change without notice.

Version: V1.4