



Safety ensured by Pinch Force Measurement

DriveTest GmbH develops and produces test-systems for the worldwide 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 the Deutsche Bahn, major international airports and operating companies for doors and gates.

The FM 100 from DriveTest is an electronic pinch force measuring system for power driven doors and gates. Typical applications include final inspection of new installations, and periodic conformance testing of existing equipment.

Combining rugged construction with precision, the advanced mechanical design delivers exact measurements, even after years of service in an industrial environment. The FM 100 has been tested and certified by the German TÜV Nord.

Sites with multiple doors and gates call for fast and easy performance of repetitive measurements. DriveTest has responded to this requirement by developing software which streamlines the measurement process and drastically reduces documentation effort. Measurements made on a complete site can be entered, printed as a table, and stored in a database with a minimum of user entries.

- **Dependable** – certified by the TÜV-Nord
- **Applicable standards** – EN 12445/12453, EN 60335-2, DIN V 18650, ASR A1.7, etc.
- **Precision measurements** – uses frictionless guides and single point load cell
- **Robust construction** – casing manufactured from durable aluminium and stainless steel for long service life in industrial environments
- **Ease of Use** – single button operation, separate sensor and electronics allows remote operation
- **Supplied with all components** – high-quality transportation case and software included, no additional items to purchase
- **Professional, feature-rich software** – PinchPilot offers complete functionality
- **Complete customer support** – in-house calibration service, standards update service ensures use of newest standards version
- **Software support** – integration in existing software infrastructure available
- **Measure complex sites in a single pass** – data logging module stores up to 100 measurements



Sensor FM 100

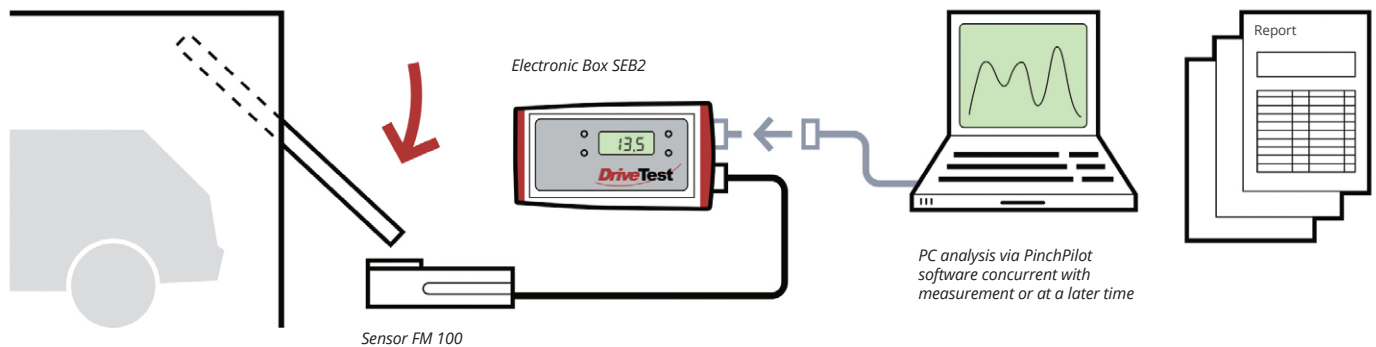
Measurement Range:	0–2.000 N
Measurement	+/- 3 N or 3 %
Tolerance:	whichever is greater
Stiffness:	500 N/mm
Gap width:	50 mm
Diameter:	80 mm
Measurement	
Technique:	Strain Gauge Bridge
Size:	210 x 80 x 50 mm
Weight:	2.1 kg

Electronic Box SEB2

- Data logging module (Electronic Box SEB2) with LCD display, LED states, button, and serial 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
- Pass/fail evaluation

PC-Analysis-Software PinchPilot

- Multi-Language (DE, EN, IT, FR, ES)
- 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)



PC analysis via PinchPilot software concurrent with measurement or at a later time

What's included?

- Sensor with 2.5 m connection cable
- Separate data logging module (Electronic Box SEB2) with LCD display, LED states, button and serial interface
- 9 V battery
- Transportation case with foam inserts for ease of storage and transport
- PC connection cable (USB)
- USB memory stick with PinchPilot PC analysis software and documentation
- Users manual
- Calibration certificate

Optional Equipment:

- Extension set for 20 cm, 30 cm and 50 cm opening width



Image shows delivery content including the extension set.

System Requirements for PC Analysis PinchPilot (included):

- Operating System Windows Vista, Windows 7, 8 and 10
- RAM \geq 32 MB
- Free Disk Space \geq 50 MB
- RS232- or USB-Interface

