

## Safety ensured by Pinch Force Measurement

**DriveTest GmbH** develops and produces test systems for the worldwide use in the facility management 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 costumers are international airports, building technology companies and facility service companies.

The FM 300 from **DriveTest** is an electronic pinch force measuring system for power driven elevator doors. 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 300 has been tested and certified by the German TÜV Nord.

Sites with multiple elevator doors call for fast and easy performance of repetitive measurements. **Drive Test** 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 81-1, EN 81-2, EN 81-20:2014, EN 81-50:2015, EN 14120
- **Precision measurements** – uses 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

**Technical specifications\***

Sensor FM 300

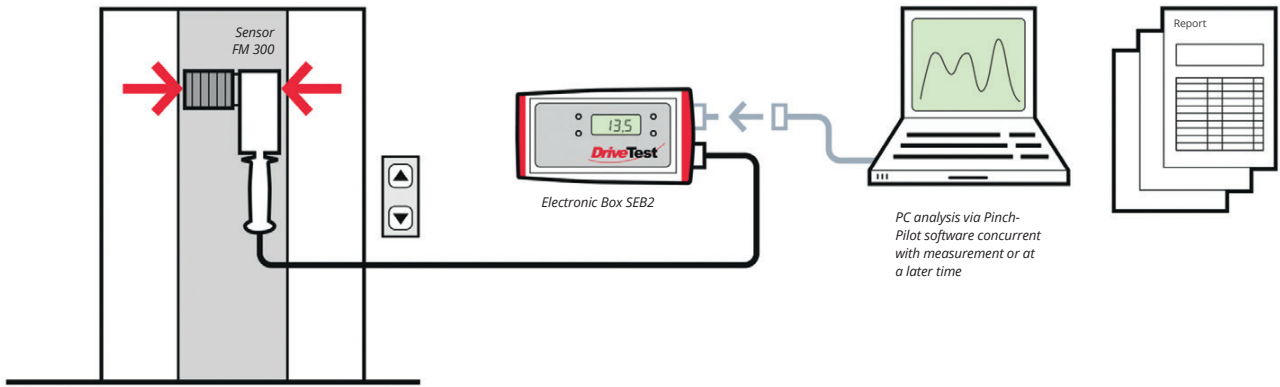
Measurement Range: 0–750 N  
 Measurement: +/- 3 N or 3 %  
 Tolerance: whichever is greater  
 Stiffness: 25 N/mm  
 Gap width: 145–510 mm  
 Area: 58 mm<sup>2</sup>  
 Measurement Technique: Strain Gauge Bridge  
 Size: 290 x 140 x 60 mm  
 Weight: 1.7 kg

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)



**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

**Optional Equipment:**

- Extension set consisting of 3 pieces for an opening width up to a maximum of 51 cm



**System Requirements for PC Analysis Software PinchPilot (included):**

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

