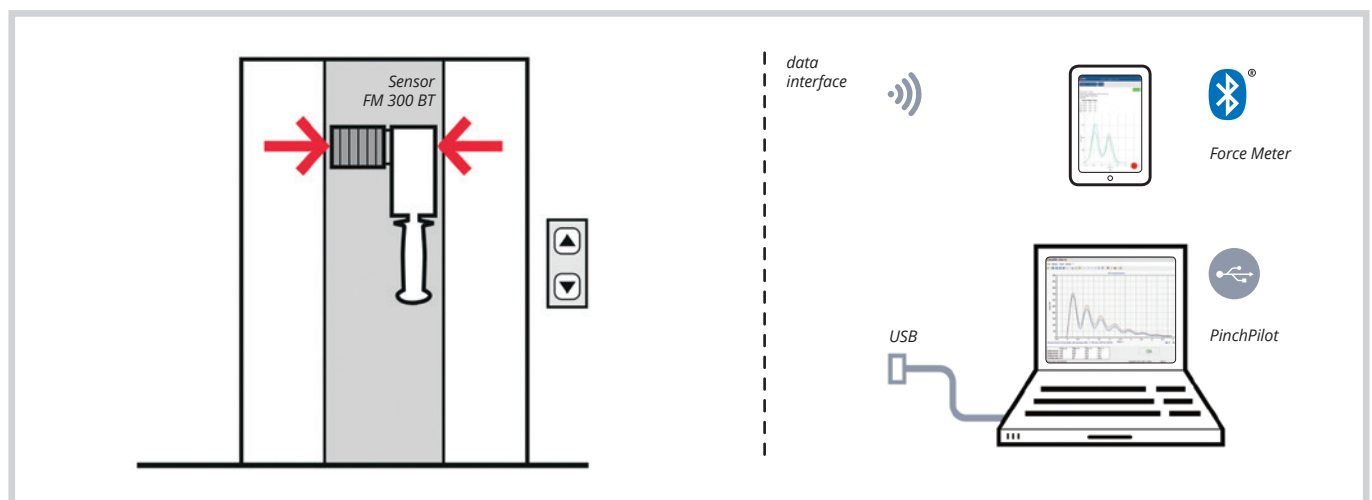


Pinch Force Measurement System for Elevator Doors and Machinery Protection Systems

The FM 300 BT is a wireless pinch force measuring system for power driven elevator doors and machinery protection systems. The FM 300 BT is a redesign of the proven and tested FM 300. It combines the customer approved rugged construction and precision of its predecessor with the new flexibility of a wireless solution.

Use cases

Typical use includes final inspection of new installations, and periodic conformance testing of existing equipment.



Wireless Measurement Device

- Bluetooth connection to your handheld device or your PC
- USB connection to your PC
- Instant feedback and on-site evaluation in combination with digital reports saves a lot of time
- Paperless work reduces costs and protects the environment
- Easy to control by single button operation
- Extension set consisting of 3 pieces for an opening width up to a maximum of 51 cm

App Force Meter

- Intuitive user interface
- Display of the force values in real time
- Calculation of relevant parameters
- Instant feedback for test results
- Guided workflow
- Support for user defined test parameters
- Automatic measurement object detection (QR codes, barcodes)
- Instant report creation (PDF)
- Automatic updates in your App Store

PC Software PinchPilot

- 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

Precision measurements

Measurement reliability is ensured by frictionless guides and single point load cell.

Customer service

Our customer service comprises the consultation, maintenance and calibration of the measuring devices.

Robust construction

Casing manufactured from durable aluminium and stainless steel for long service life in industrial environments.

Applicable standards

EN 81-1, EN 81-2, EN 81-20:2014, EN 81-50:2015, EN 14120 (embedded in software)

Fast operation

The FM 300 BT system is set up for measurements in no time. Connect the device to the app via Bluetooth, choose the measurement to perform and the system is ready to test according to the applicable standard. The app guides the user through the workflow which is required by the standard. Reports for the performed measurements are instantly generated and are available for sending or storing. The app stores measurements in a database, thereby facilitates the task of recording periodic measurements. Using barcodes or QR codes for identification of tested objects from inside the app is an additional feature

preventing errors and making testing even simpler.

Available for several opening widths

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

Supported by:



Federal Ministry
of Economics
and Technology

on the basis of a decision
by the German Bundestag

Technical specifications

Measurement range:	0-750 N
Accuracy:	+/- 3 N or 3 % whichever is greater
Stiffness:	25 N/mm
Gap width:	145-510 mm
Area:	58 mm
Measurement technique:	Strain Gauge Bridge
Size:	280 x 145 x 82 mm
Weight:	1.2 kg



About us

Drive Test GmbH develops and produces test systems, control units and force sensors for the building technology for more than 20 years. Based on these experiences, the FM 300 BT has been developed.