



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 devices for a variety of applications. Every device supports the testing of pinch forces according to an applicable standard. Our customer service comprises the consultation, maintenance and calibration of the measuring devices. Major customers include the Deutsche Bahn and many municipal transportation departments.

The BIA-1 BT from DriveTest is a wireless pinch force measuring system for automatic railway doors, light rail and tramway doors and automatic bus doors and steps. The BIA-1 BT is a redesign of the proven and tested Original BIA Class 1. It combines the customer approved rugged construction and precision of its predecessor with the new flexibility of a wireless solution.

The BIA-1 BT system is setup 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 power operated doors 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 tested doors in a database, thereby facilitates the task of recording periodic measurements. Using barcodes or QR-Codes for identification of tested doors from inside the app is an additional feature preventing errors and making testing even simpler.



- **Applicable Standards** – guided workflow and evaluation of EN 14752:2005, VDV 111, 2001/85/EG
- **Time saver** – instant feedback and on-site evaluation in combination with digital reports saves a lot of time and will pay off the system within weeks
- **Precision measurements** – six roller bearing force guide design
- **Robust construction** – casing manufactured from durable material for long service life in industrial environments
- **Wireless** – no more bothersome cables
- **Paperless office** – helps to reduce the time spend with paper work and protects the environment
- **Easy to control** – known principles from everyday life
- **Complete customer support** – in-house calibration service; update service ensures use of newest standards version

Sensor BIA-1 BT

Measurement Range:	25–310 N
Measurement Tolerance:	+/- 3 N or 3 %
Stiffness:	whichever is greater 10 N/mm
Gap width:	115 mm
Diameter:	100 mm
Measurement Technique:	Strain Gauge Bridge
Size:	260 x 130 x 115 mm
Weight:	2.1 kg

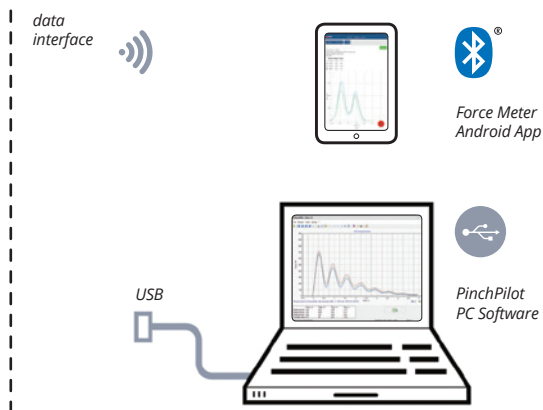
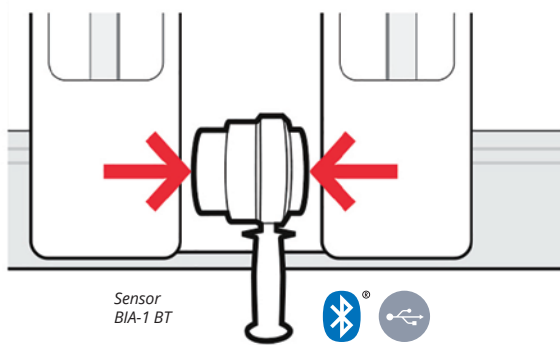
App Force Meter

- Intuitive user interface
- Graphical display of force vs. time
- Calculation of relevant parameters
- Instant feedback for failed/passed
- Guided workflow
- Support for user defined standards

- Automatic measurement object detection (QR-, barcodes)
- Instant report creation (PDF)
- Available for Android 5.0 and newer
- Connection: Bluetooth Low Energy
- Download in Google's Play Store

PC-Analysis-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
- Connection: USB



What's included?

- Wireless force measurement device
- Transportation case with foam inserts for ease of storage and transport
- USB cable
- USB stick with software PinchPilot
- User manual
- Calibration certificate

