



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 the Deutsche Bahn and many municipal transportation departments.

DriveTest's BIA 600 is an electronic pinch force measuring system for power driven train and tramway doors. Combining rugged construction with precision, the advanced mechanical design delivers exact measurements, even after years of usage in an industrial environment.

Fast and easy performance of repetitive measurements is an important aspect of standard test scenarios. **DriveTest** has responded to this requirement by developing software which streamlines the measurement process and drastically reduces documentation effort. Measurements made on a complete vehicle can be entered, printed as a table, and stored in a database with a minimum of user entries.

The investment in a BIA 600 System repays itself within a short time.

- **Applicable standards**
DIN EN 14752:2015,
DIN EN 14752:2005 (optional)
- **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
- **Spacers**
for all apertures required by EN 14752:2015
- **Automatic limit setting**
according to detected spacers
- **Complete delivery**
all components packed in high-quality transportation case
- **Management support for large vehicle pools**
integration in existing software infrastructure available



BIA 600

Force entry: both-sided
 Range: 0-700 N
 Precision: +/- 3 N (0-100 N)
 +/- 3 % (>100 N)
 Stiffness: 10 N/mm
 Gap width: 90 mm
 Area: 100 x 100 mm
 Force sensor: Strain Gauge
 Bridge
 Size: 320 x 250 x 110 mm
 Weight: 3.0 kg

Electronic Box SEB2

- SEB2 plus sensor BIA 600 are required for measurements
- optional PC controlled measurements
- 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

Spacer set

- Complete set – performs all apertures required by EN 14752:2015
- Automatic detection / recording of applied spacers
- Automatic limit setting – according to opening width
- Ease of Use – fast mounting and dismounting, no tools required
- Robust construction – manufactured from durable POM
- All in one case

Software PinchPilot

- Multi-Language (DE, EN, IT, FR, ES)
- Graphical display of force
- Calculation of relevant results
- Assessment with respect to different standards
- User defined standard
- Report printout
- Data export (Excel, CSV, PDF)
- optional device under test identification

What's included?

- Sensor connection cable
- Seperate data logging module (Electronic Box SEB2) with LCD display, LED states, button, and serial interface
- 9 V Battery
- Spacer set (4 pieces) for EN 14752:2015
- Transportation case with foam inserts for ease of storage and transport
- PC connection cable (USB)
- USB memory stick with PinchPilot PC analysis software for Windows Vista, W7, W8 and W10 and documentation
- Users manual
- Calibration certificate



▲ optional for
EN 14752:2005

