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 in the automotive industry include Webasto, Daimler Chrysler, BMW and Volkswagen.

The FM 200 from DriveTest is an electronic pinch force measuring system for power driven automotive sunroofs and windows. Typical use includes R+D and production testing in the automotive industry. The FM 200 is now also increasingly used by technical safety agencies. Combining rugged construction with precision, the advanced mechanical design delivers exact measurements, even after years of service in an industrial environment. The FM 200 has been tested and certified by the German TÜV Nord.

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 can be downloaded to a PC, analysed, exported and documented with a minimum of user interactions. Our PinchPilot Software provides also interface like Microsoft® DDE or National Instruments® Labview for remote control in automated environments.

- Dependable – certified by the TÜV Nord
- 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 or remote controlled via Microsoft® DDE interface or National Instruments® LabView library
- All-in-One package – the FM 200 comes with a high-quality transportation case and PC application
- Professional, feature-rich software – PinchPilot offers complete functionality
- Complete customer support – in-house calibration service, standards update service ensures use of newest standards version
- Flexible Adaptation – wide range of measurement fixtures and custom adapters available from DriveTest

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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
- User's manual
- Calibration certificate

Optional Equipment:

- Device with 5 m cable length (instead of 2.5 m)
- Adapter for external 24 VDC supply
- 230 VAC power adapter
- Fixture set for sunroofs in slide and tilt position
- Mechanical adapters for powered tailgates

System Requirements for PC Analysis Pinch Pilot (included):

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

Version: V4.1

*Technical specifications subject to change without notice.