DriveTest
...test to be sure

FM 100 precision

Pinch Force Measurement for high level requirements

As a pioneer for pinch force meters **Drive Test** developes and manufactures measuring systems for facility, automotive and railway applications.

Purpose of the instruments is to perform and document measurements on base of applicable standards.

Our service provides consulting, calibration and maintenance.

The FM100precision of Drive Test is an electronic pinch force meter for doors and gates. It features essentially enhanced precision properties compared to the standard version. It is intended for customers with high requirements like consultants and manufacturers.

The FM100precision is delivered with a DAkkS/EN17025 calibration certificate. Typical applications are the quality assurance for door and gate manufacturers, the final acceptance of new systems as well as schedulel checks.

- **Standards**
  EN12453, EN16005, EN12635, EN12978, EN18650-1, ASR A1.7, DHF-TS-011-2018

- **Tethered/wireless**
  both versions are available
  (Bluetooth, USB)

- **Precision 1 % of measured value (> 200 N)**
  frictionless guidance, platform load cell

- **Robust construction**
  durable aluminium for long service life

- **Android-App ForceMeter (Bluetooth)**
  Operation, evaluation, reporting

- **PC-Windows App PinchPilot (USB/Bluetooth)**
  Operation, evaluation, reporting, measurements sequences

- **Service**
  Consulting, calibration. Updates

FM 100 precision

Technical data

Sensor FM100prec

Range:	0–2000 N
Accuracy (0–200 N):	± 2 N
Accuracy (200–2000 N):	± 1 %
Deflection rate:	500 N/mm; ± 5 %
Max/Min gap:	50 mm/45 mm
Force initiation:	80 mm, round
Measures:	210 x 80 x 50 mm
Weight:	2,1 kg

SEB2.2
- Data logger (ca. 100 measurements)
- Lithium-Polymer battery (3.7 V/700 mA)
- Onboard realtime clock
- Force display
- Pass/fail evaluation
- Sensor/USB interface

PinchPilot PC-Software (Windows)
- Bluetooth Interface, USB
- Operator interface
- Gaphic display
- Evaluation on multiple standard base
- Report
- Sequence of measurements
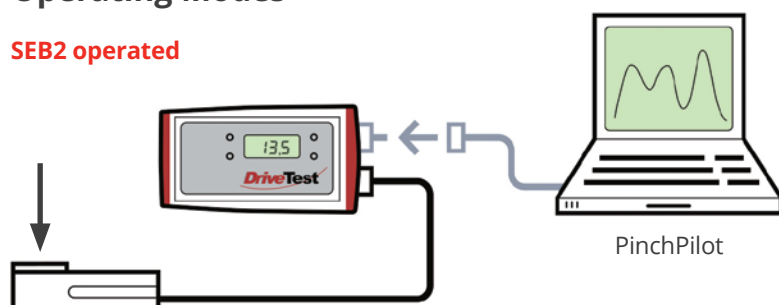- Export functions

SE3 (FM100precBT)
- Sensor electronic
- Lithium-Polymer battery (3.7 V/700 mA)
- Buetooth low energy
- USB interface

ForceMeter App (Android)
- Bluetooth interface
- Object identification (QR-Code, Barcode)
- Operator interface
- Gaphic display
- Evaluation / multiple standards
- Report
- Data base

Operating Modes

SEB2 operated

PinchPilot

Windows-PC operated

PinchPilot

Android End Device operated

ForceMeter App

Delivery

FM100prec-SY-500-2000
Art.No.: 143395
- precision sensor FM100precBT Bluetooth
- spacer set 30 cm, 50 cm
- USB charger incl. Cable
- Android App ForceMeter (Google store)
- PC-software PinchPilot
- manual
- DAkkS/EN17025 calibration certificate
- transport case

FM100precBT-SY-500-2000 Bluetooth
Art.No.: 143396
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- PC-software PinchPilot
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www.drivetest.de

Version: V1.0
*Technical specifications subject to change without notice.