PINCH FORCE METER

FM100-SY-500-2000



- **Support of relevant standards – EN 12445/12453, EN 60335-2,**
- **DIN V 18650, ASR A1.7, etc.**
- **Precise measurements**
- **Robust design**
- **Ease of use - operate with a single button or remotely via**
- **Microsoft® DLL interface or National Instruments® LabView library**
- **Complete scope of delivery - including high-quality transport case and software**
- **Professional, comprehensive PC software – PinchPilot**
- **Comprehensive user support - calibration service, standard change service guaranteed**
- **the application of the latest version of the standard**
- **Software support - integration into existing software structures possible**

The closing force transducer is an electronic measuring device for externally powered doors and gates. Typical use is the final inspection of new systems as well as regular inspections. Its uncompromising design combines precision with practical robustness and ensures accurate measured values even after years of use in harsh environments.

In the case of cyclical measurements on systems with several doors and gates, a quick and easy implementation is of great importance. For this purpose, Drive Test has developed software that drastically reduces the measurement process and the effort required for documentation.

With just a few operating steps, the measurements of a complete system can be taken over, printed out in tabular form and saved in a database. We provide suitable interfaces (e.g. Microsoft® DLL or National Instruments® LabVIEW) for integration into an automated test procedure.

Specification

Force	
Measuring range	0 ... 2000 N
Resolution	1 N
Accuracy	±3 N or 3 % v.Mw.

General technical data	
Norm(en)	EN 14752:2015
Standard(s) Additional information	- EN 81-1 2000-4-EG - FMVSS118 - APTA PR-M-S-18-10 - ASME A17.1 2000 - DIN EN 14752:2005 - 2001-85-EG / ECE R. 107 §35 e Abs.5 StVZO - EN14120 DIN 18650-1 - DIN EN 12453 - DIN EN 16005 - DIN EN 60335-2-103 - ASR A1.7 - ECE R-21 - prEN 12650-1
Stiffness	500 N/mm
Gap width	50 mm
Menu language	English (US), Spanish, German, French, Italian
Protection class (device)	IP43
Power supply	9V / 640 mAh
Battery/battery	1 x 9 V 9V Block , Alkali-Manganese
Battery capacity	640 mAh
Performance	5,76 Wh
Operating conditions	-10 ... 40 °C , 0 ... 90 %RH
Storage conditions	-40 ... 50 °C , 0 ... 90 %RH
Dimensions (L x W x H x ø)	210 x 80 x 50 x 80 mm
Weight	2100 g

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