PINCH FORCE METER

BIA1-SY-10-310



- **Applicable standards – EN 14752:2005, VDV 111, 2001/85/EG**
- **Precise measurements**
- **Robust design**
- **Easy to use**
- **Operation 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**
- **Support for the management of large fleets**

The original BIA class 1 closing force measuring device is an electronic closing force measuring device for rail vehicle and bus doors. The elaborate design combines precision with practical robustness and ensures accurate measured values even after years of use in harsh environments.

For cyclic measurements on vehicles with multiple doors, a quick and easy implementation is of great importance. For this purpose, software was developed that drastically reduces the measurement process and the effort required for documentation. With just a few operating steps, the measurements for a complete vehicle 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	25 ... 310 N
Resolution	1 N
Accuracy	±3 N or 3 % v.Mw.

General technical data	
Interface	RS232
Standard(s) Additional information	EN 14752:2005, VDV 111, 2001/85/EC
Stiffness	10 N/mm
Gap width	115 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)	230 x 130 x 115 x 100 mm
Weight	2100 g

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