

PEEL TESTER

PCE-PST 1 X



- » **for adhesive forces up to 500 N**
- » **high repeatability**
- » **portable**
- » **automatic and manual measurement mode**
- » **average measurements**
- » **adjustable pre-run and post-run**

The peel tester is a compact hand-held meter with an integrated load cell for the precise measurement of forces within a range from 0 to 500 N. The peel tester has been specially developed for peel tests and enables a comprehensive assessment of the processing quality. Our peel tester offers a manual and automatic measuring mode, as well as ball rollers on the guide surface to reduce the coefficient of friction.

It has an adjustable sampling rate from 2 to 100 Hz and supports both metric and imperial units of measurement. The measurement duration consists of the pre-run time, measuring time and post-run time, which can be individually configured from 0 to 10 seconds. The integrated data logger saves measurement series as well as individual measurements and displays statistical values such as average, minimum and maximum values as well as graphical curves. With a maximum traverse distance of 150 mm and two traverse speeds (100 mm/min and 300 mm/min), the peel tester is highly adaptable to different test requirements.

It is used for testing composite materials such as coated wood-based materials, laminated surfaces or veneered panels as well as for measuring the adhesive strength in bonded joints of various components.

Specification

Force	
Measurement range up to	0 ... 500 N
Resolution	0,1 N
Accuracy	±0.05 % F.S.

General technical data	
Units	N, Ncm, Nmm
Display type	LCD
Display size	2,8 Inch
Adjustable measuring rate	2 ... 100 Hz
Storage medium	Internal memory
Storage capacity	32 GB
Storage interval from	2 Hz
Storage interval to	100 Hz
Interface	USB-C
Operating time	13 h
Automatic power-off from...to	1 ... 15 min.
Automatic power-off can be deactivated	Yes
Menu language	German, English, French, Italian, Spanish, Dutch, Portuguese, Danish, Turkish, Polish, Russian, Chinese, Japanese, English (GB)
Protection class (device)	IP52
Power supply	Test stand: 110 ... 240 V AC 50/60 Hz Meter: USB 5 V, 500 mA
Connector type	Schuko plug
(Rechargeable) battery	1 x 7,4 V DST604665 , Lithium polymer battery
Capacity	2200 mAh
Operating conditions	-20 ... 65 °C , 10 ... 95 % RH
Storage conditions	-20 ... 65 °C , 10 ... 95 % RH
Dimensions (L x W x H)	480 x 240 x 135 mm
Weight	9450 g