



KT5000 Peel Force Tester



The peel force is a critical parameter for every user of Tape & Reel. If the peel force is too low, the cover tape will not stick on the carrier tape properly and the components may fall out of the pockets. A too high peel force will cause costly down times at the pick & place machines.

The **KT5000 Peel Force Tester from K-TECH** is the ideal tool to measure the peel force on your production floor. For measuring, a strip of the carrier tape is loaded into the KT5000 and the cover tape is attached to the sensor. The constant movement of the carrier tape is done with a sprocket wheel. The movement speed is controlled with a encoder. The design of the **KT5000** guaranties the same peel angle and the same peel point during the whole measurement. Before each run, the KT5000 is doing a self calibration of the sensor.



The measured values are transferred to a PC via a serial RS232 interface. A green bar on the screen shows a good result, if the measurement is out of limit the bar is red. Each measurement can be stored in a file. In addition the most important values of each measurement (e.g. min., max., average, standard deviation...) are save in a separate file and can be used for statistic process control.

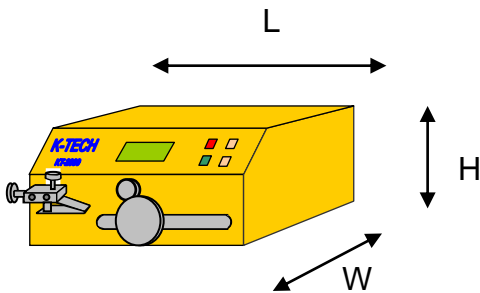
Technical details

Range: 0 - 300g (0-3N)
 Sensor accuracy: +/- 2.0g (+/-0.02N)
 Rate: 15 measurements/s
 Peel angle: 170°
 Peel speed: 200 – 600 mm/min
 Tape width: 8 – 56 mm,
 optional up to 200mm
 Peel length: 180mm max
 Interface: RS232
 option: adapter for USB

Dimensions:

Dimensions: 480 x 350 x 290mm (LxWxH)

Weight: 21kg

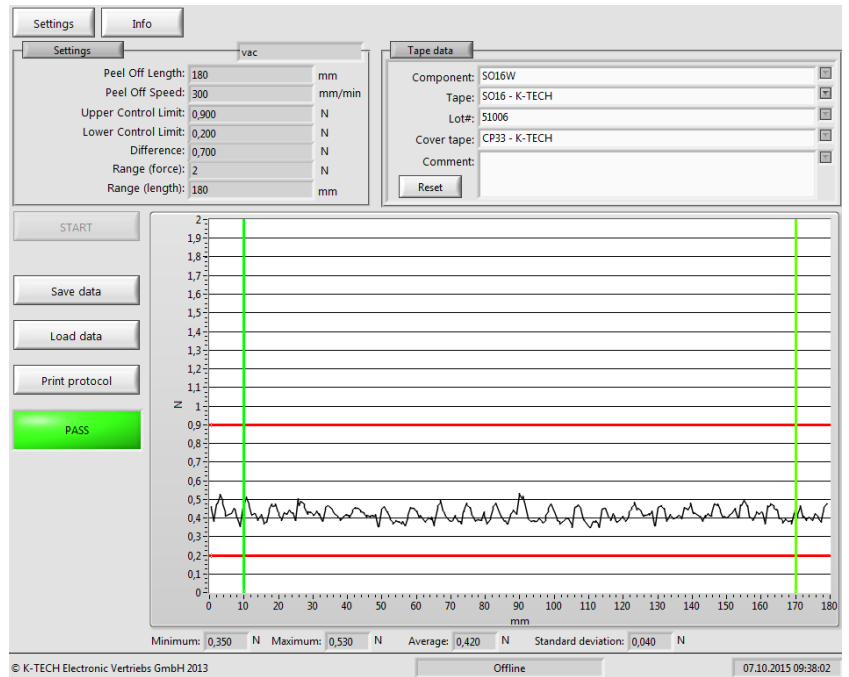


Power:

Electrical: 115V/230V 50 – 60 Hz

Requirements for PC

Windows XP, Vista or Windows 7, 8.1, 10
 free RS232 serial port
 USB to RS232 adapter is possible

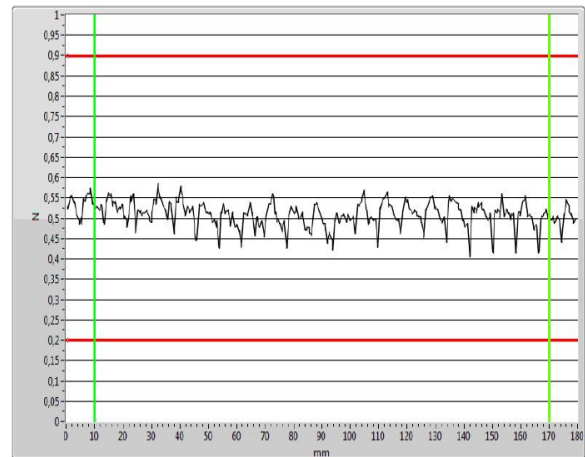


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Test report peel force test KT-5000

Test result: **PASS**

Component: SO16W
 Carrier tape:: SO16 K-TECH
 Lot number: 0815-2015
 Cover tape: CP33 K-TECH



Test values

Date, time :	08.04.2015 9:48	
Peel off length::	180 mm	
Measuring length:	160 mm	
Peel off speed::	300 mm/min	
Peel off force::	limit	actual value
Minimum:	0,200 N	0,410 N
Maximum:	0,900 N	0,580 N
Average::	0,510 N	
Standard deviation::	0,030 N	

Comment:

Signature: _____



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