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## Instruction Manual TPE

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### MANUAL TEST STAND FOR PEEL TESTS

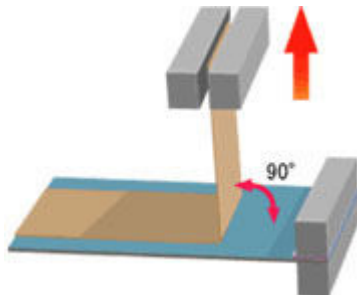


Thank you for buying this SAUTER Test Stand for peel tests. This test stand is very robust and will serve you many years if you are going to operate it correctly and maintain with care. We hope you are pleased with your high quality product with and its functions.

If you have any queries, wishes or helpful suggestions, do not hesitate to call our service number.

#### Introduction

This manual test stand was specially designed for 90° peel tests in connection with our SAUTER force gauges up to 500N. Hereby, typically, an adherent layer of material is torn off from the base material, shown in the illustration below:



The decisive factor is the force, which is necessary to peel off the adherent, above located material.

The SAUTER TPE is designed in the way that the force gauge which is peeling off the layer, moves laterally and upwards simultaneously. With this, the peeling off movement is generated and the interference of falsified transverse forces can be avoided.

The crank handle operation enables a very reliable and easy handling.

#### Operation

The test stand has to be placed onto a stable support plate. A suitable clamp, for example AC 14 (as shown in the picture on the left) has to be screwed onto the force gauge.

Subsequently, the force gauge has to be fixed by means of an adapter plate, exactly in vertical position, on the test stand.

A piece of the layer, which has to be peeled off, has to be fixed in the clamp. It has to be made sure that the material for the peel test has been fixed correctly and tightly enough in the clamp, in the way that it can't slide off.

Now, by means of the crank handle movement in clockwise direction, the force gauge moves up, vertically fixed and in a tilted way, as the movement of the test stand is effected in a 45° angle to the horizontal.

The applied force can be read off on the display of the force gauge (here FH) soon afterwards.

#### Technical data

Distance of one stroke (travel): 3.1 mm per turn

Maximum peel off length: 105 mm

Dimensions: L 420 x B 215 x H 480 mm

Net weight: 22 kg

#### Maintenance

To avoid rusting, the test stand has to be cleaned with a smooth cloth after each use. There may not be applied any abrasive detergents.