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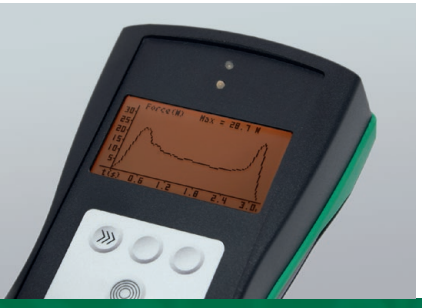
Separating Force Gauge
PEEL CONTROL

Smart Spring Scale Which Records Force, Path and Angle



Hand-Held Measurement
Based on DIN 55409-2

Fast Measurement Procedure
Flexible on-site usage possibilities

Angle Control
Indicator for maintaining defined pulling angles

Separating Force Gauge
PEEL CONTROL

Working Principle

After fixing the test object with the clamping device, the opening or the separating process is carried out by hand. The measured values of the entire procedure are recorded and the different parameters can be subsequently viewed and the data can be exported. PEEL CONTROL is equipped with diverse features that are inspired by practical functions from traction force testing machines. This includes, e.g. automatic zeroing, calculation of all relevant traction force parameters, graphical view of the force progression, angle measurement, signal for angle set-point adherence and the measurement of the opening stroke.

Scan here for product infos.

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PITSID develops, produces and sells measuring systems, supported by the Sächsisches Institut für die Druckindustrie. The measuring systems are used for quality control and to increase efficiency during adjustment and maintenance operations.

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Innovative Measuring Systems Made in Germany

Determination of the Opening and Separating Force Progression

The Separating Force Gauge PEEL CONTROL is intended to measure the opening force of peelable, seam-sealed packaging or the separating force of glued, heat-sealed or laminated materials.

The opening or separating process is carried out manually. In addition to the separating force, the main influencing variables of separation angle and separation distance are also determined. The measurement results are displayed numerically and graphically in accordance with DIN 55409-2. The hand-held measuring device is therefore ideal for quality control during production directly on the packaging machine.

The device can also be used to test ink adhesion using the tape test method. The additional force measurement allows a more objective evaluation of the tear behaviour. This makes it easier to analyse the causes and solve process-related problems.

Technical Data

Measurement range traction force	0.0 ... 60.0 N
Resolution	0.1 N
Measurement uncertainty	± 0.2 N
Measurement range pulling angle	0 ... 180°
Resolution	1°
Measurement range distance	0 ... 250 mm
Resolution	1 mm

Hand-held device dimensions
210 x 100 x 40 mm

Measuring head dimensions
136 x 73 x 33 mm

Weight

Hand-held device	400 g
Measuring head	360 g

Power supply
Battery operation: 4 x 1.5 V, Mignon type (AA), voltage supply via USB

Data transfer
USB (type C), wireless

Scope of delivery
Hand-held device including batteries and measuring head, evaluation program *PeelControl.exe*, operating manual German/English, carrying case