ZIEGLER

Data Sheet

FTM-Multi

6-Fold Tensile Tester With 6 Individually Vertically Moveable Force Transducers

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easy to use – precise measurements –
multiple independent or simultaneous measurements

Product Description

The ZIEGLER FTM-Multi bond strength tester is a tensile tester with 6 individually vertically movable force transducers and a horizontally movable sample table. Due to the special arrangement on the tensile tester, the samples can be pulled off at an angle of 90° as well as 180°. The test device is tailored to the requirements of manufacturers, processors and users of adhesives, composite materials, self-adhesive materials and release agents and its specifications correspond to the FINAT* test standards.

* Féderation internationale des fabricants et transformateurs d'adhésifs et thermocollants sur papiers et autres supports.

Components (Selection)

- Precision drives that precisely maintain the speeds
- Touchscreen display for messages and settings
- Evaluation of actual value, minimum value, maximum value and mean value in N or cN

Areas of Application of the Device

- When processing and finishing adhesives, composite materials, self-adhesive materials and release agents
- Production monitoring and quality control
- Proof of sustainability of the storage
- Outgoing goods inspection by the manufacturer
- Incoming goods inspection by the finisher
- Outgoing goods inspection by the finisher
- Incoming goods inspection by the user
- Tests of friction

Scope of Delivery

- Adhesive force tester ZIEGLER FTM-Multi
- Power cord
- USB cable
- FTMULTI software compatible with Windows® 11
- Manual

Supported Test Methods (Selection)

FINAT* FTM 1 – Peel Adhesion (180°) At 300mm Per Minute

With this measurement method, the release force is measured that is necessary to remove a self-adhesive material that has been stuck to a standard test panel under previously defined conditions with a peel angle of 180° and a speed of 300 mm/min.

FINAT* FTM 2 – Peel Adhesion (90°) At 300mm Per Minute

According to the FINAT* specifications, this measurement method measures the release force that is necessary to remove a self-adhesive material that has been stuck to a standard test panel under previously defined conditions with a specific peel angle of 90° and a speed of 300mm/min. The first measurement is made 20 minutes after sticking. A second measurement is taken 24 hours after sticking. The last measurement is recorded as the final adhesion.

FINAT* FTM 3 – Low Speed Release Force

According to the FINAT* specifications, this measurement method measures the release force that is necessary to detach a material with a self-adhesive layer from its release paper (or vice versa) at a 180° angle and a peel speed of 300 mm/min.

ZIEGLER FTM-Multi supports many other test methods...

Technical Data

Operating Voltage:	A.C. 100–240 V / 50–60 Hz
Max. Power Consumption:	max. 250 VA
Fuse:	2 x 4 AT
Dimensions:	H 1060 x D 720 x W 610 mm
Weight:	60 kg

Warranty

The device has a manufacturer's warranty of 2 years.

Manufacturer and Copyright

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Technical data and equipment are preliminary and correspond to the knowledge on the day of printing. They can be changed at any time without notice.