

# ZIEGLER

## FT-1000H

**Adhesive Peel Force Tester  
with heated sample table**



The adhesive force testing unit **ZIEGLER FT-1000H** is adapted to the requirements of manufacturers and users of adhesive and self-adhesive (pressure sensitive) materials and complies with the demands of the test standards or the technical terms of delivery, the specifications of which are published by FINAT\* and AFERA\*\*.



Supports FINAT Test methods No. 1, 2, 3, 9, 10 and 11.

\* Fédération international des fabricants et transformateurs d'adhésifs et thermocollants sur papiers et autres supports

\*\* Afera, the European Association for the Self Adhesive Tape Industry

### **The following types of measurement can be performed:**

#### **FINAT FTM 1**

Peel adhesion measurement of label material (180°) at 300 mm per minute

#### **FINAT FTM 3**

Determination of the force required to separate self-adhesive laminates, i.e. Low speed release force (180°) at 300 mm per minute

#### **FINAT FTM 10 und 11**

Quality test of silicone coated substrates for self-adhesive laminates: subsequent adhesion

### **Examinable materials:**

Friction foils

Adhesive foils

Adhesive tapes with separating agent

Adhesives

Labels

Self-adhesive foils

Security labels

Sealing materials

Packaging strap of paper, synthetics, textile and metal as well as materials with related characteristics.

**Operating principle:**

The device operates according to the principle of a horizontal pulling test device, equipped with a mobile clamp designed as sample desk and a fixed clamp equipped with a load cell.

**Specifications:**

- **Force measurement**

The testing device is equipped with two load cell sensors with measuring range 5N and 50 N.

- **Drive mechanism**

The sample desk is driven by a long life speed-regulated direct current motor. Standard of the sample desk velocity is 300 mm/min, 50/300/1000 and 60 - 990 mm/min in steps of 10 mm/min are selectable.

- **Display**

The Display shows the measured mean tensile force.

Reading accuracy:

Measuring range 5 N, 0.001 N

Measuring range 50 N, 0.01 N

- **Accuracy**

Force measuring: < 1% of the reading value +/- 2 Digits

Velocity: < 2% of the selected velocity

- **Power connection, dimensions and weight**

Voltage: 100 - 240V AC

50 - 60 Hz/30VA

L x W x H 410 x 280 x 140 mm

Weight: 7,3 kg

Connector: USB-Connection

- **Integrated options and accessories:**

**Heated sample table – max 80°C (= 176°F)**

50, 300, 1000 mm/min

60 - 990 mm/min

2-channel-version 5 N and 50 N load cell sensors

Sample plate of float glass 200 x 100 x 2 mm

Sample plate of stainless steel 200 x 100 x 2 mm

Software FTSOFT for Windows® 7-10 (data capture, analysis and save to file)

Instruction manual

Software manual

- **Temperatur**

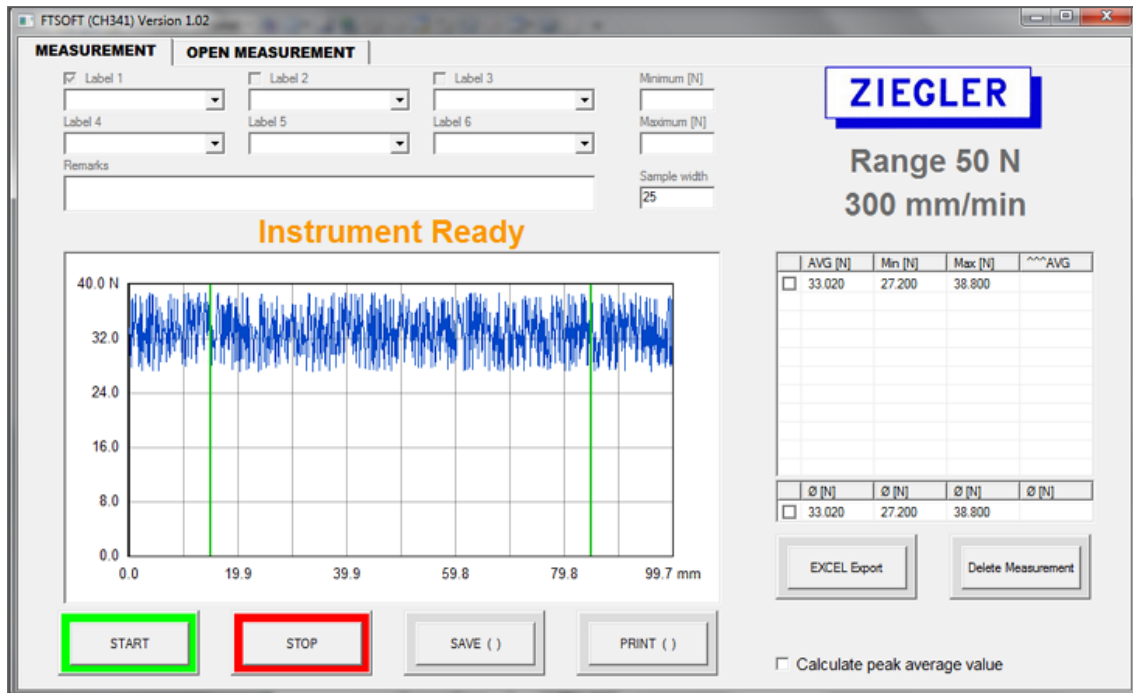
Desired temperature is continuously hold and checked by temperature controller.



Temperature will be from ambient temperature to maximum 80°C or 176°F.  
If higher temperature is chosen temperature controller stops heating and starts with 80°C (176°F).

- **Data Acquisition Software – FTSOFT**

The **FTSOFT Data Acquisition Software** is a tool, which reliably and comfortably automates the analysis, the logging and saving of data with the **ZIEGLER** Adhesive Peel Tester FT-Series.



The program is fully compatible with Windows® 7-10  
 high degree of comfort when working with your data  
 The clear and intuitively arranged menus reduce the training period to a minimum  
 Fast data transfer  
 Well-structured measurement log with graphical display  
 Less storage space (2-3 MB)  
 The program allows for individual, multiple and consecutive measurements  
 The program is also available as demo version (not registered) and as tutorial (registered). In both editions a connected Adhesive Peel Force Tester is simulated

- **Options and accessories [extra charge]:**  
**ZIEGLER** Hand roller 2 kg for preparing samples (FINAT method)  
 Foil holder  
 Paper clamp
- **Warranty**  
 Manufacturer's warranty of 2 Years

- **Manufacturer**

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