

REIBUNGSPRÜFGERÄT, FRICTION PEEL TESTER

Der FP-2260 COF-Tester (Coefficient of Friction Tester) /Peel Tester liefert viel Informationen mit wenig Tastenanschlägen und bietet die Möglichkeit, die Maschine in fünf Sprachen zu betreiben. Man kann Testaufbauten erstellen, speichern und mit einem Passwort zu schützen. Der COF-Testmodus kann konfiguriert werden, um den statischen und kinetischen Reibungskoeffizienten sowie den Gleitwinkel zu messen. Der Peel-Tester-Modus kann die Siegelfestigkeit und die Schälereigenschaften von Kunststofffolien, Papier, Pappe, Klebstoffen, Wellpappe, Etiketten und Verpackungsmaterialien testen. Der Schälprüfer kann konfiguriert werden, um 180° Schältests, 90° Schältests und T-Schältests durchzuführen. Der Zugprüfmodus kann konfiguriert werden, um leichte Zugversuche bis zu 10 kg (22 lbs) durchzuführen.



EIGENSCHAFTEN

- Das FP-2260 verwendet eine multifunktionale Tastatur, die es dem Benutzer ermöglicht, einfach durch die Menüoptionen zu navigieren. Die Traverse und die Wägezelle sind verstellbar, um eine einfache Handhabung bei Änderungen des Prüfaufbaus zu ermöglichen. Das System bietet auch die Möglichkeit, auf eine bestimmte Entfernung oder eine bestimmte Zeit zu testen. Das FP-2260 wird standardmäßig mit der Option für die automatische Rücklauf- und Stoppfunktion am Ende eines Tests geliefert.

TECHNISCHE DATEN

Stromanschluss	100 V / 50 Hz, 230 V / 50 Hz
Druckluftanschluss	nein
PC-Anschluss	RS-232, USB
Breite / Durchmesser	0,70 m
Tiefe	0,50 m
Höhe	0,25 m
Gewicht (netto)	25 kg

NORMEN

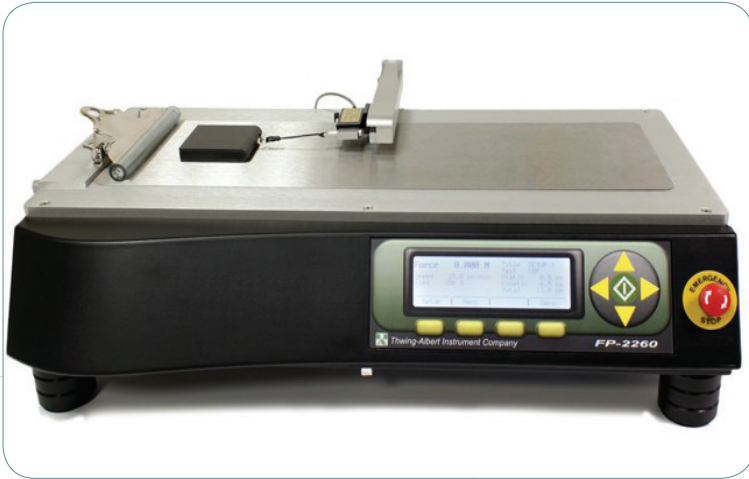
AFERA 4001 P11	FINAT FTM5
ASTM D1894	FINAT FTM6
ASTM D3330	ISO 8295
ASTM D4521	TAPPI T816
DIN 53375	
FINAT FTM1	
FINAT FTM2	
FINAT FTM3	

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FRICION PEEL TESTER



The Thwing-Albert FP-2260 Friction/Peel Tester is a versatile testing instrument for measuring the coefficient of friction, peel strength, seal strength and tensile strength of flexible plastic films, paper, labels, tapes, nonwovens, textiles and other sheet materials. It was designed to provide flexibility for its users so it is useful in many different industries such as the paper, plastic, adhesives, textile, flexible packaging, foils, coatings, leather and paperboard industries, as well as others.

Features

- Multifunctional membrane keypad
- Easy to read display (240 pixels x 64 pixels)
- Automatic load cell recognition
- Interchangeable .5kg, 1kg, 2kg, 5kg and 10kg load cells
- Adjustable crosshead and load cell (Vertically and Horizontally)
- Automatic Return of the crosshead
- 14" of Crosshead travel
- Store 128 tests each for COF, Peel and Tensile
- USB and RS-232 Data Communication Port
- Available test area 225mm x 350mm
- Electronic over travel switches
- Selectable force units [g, kg, lbf, oz, N]
- Preset industry standard test method storage
- Ability to save customized test setups

Advantages

- Complies to industry standards for tensile, peel, and coefficient of friction testing
- Intuitive menu design which provides more results with fewer key strokes
- Ability to create, save and password protect test setups
- Memory capacity on the FP-2260 can store 128 individual tests for COF, Peel, or Tensile
- Sampling rate up to 20 times per second with Map-4 software
- Map-4 software allows users to instantly view and analyze test data
- Many optional accessories and fixtures are available to perform a variety of peel, COF, seal tests and tensile tests
- Automatic load cell capacity recognition
- Increased load cell stability



FP-2260 w/ Heated Platen



MAP-4 Software
Windows 7 Compatible

Technical specifications

Measurement

- Load Cell Range: 5N, 10N, 20N, 100N
- Force Resolution: 0.1g for all load cells
- Force Accuracy: 10%-100% of the load cell capacity, 0.25% of measured value; Less than 10% is .025% of the load cell capacity

Travel Speed

- Standard Speed: 25.4 mm to 508 mm/min
- High Speed: 254 to 2794 mm/min

Travel Distance

0.1 to 14.0 in (0.3 to 38 cm)

Power Requirements

110 VAC, 50/60 Hz/ 220/230 VAC, 50Hz/ 240 VAC, 50Hz

Standard COF Sleds

200gm, 500gm, 1000gm, and 3lb (Other sleds are available. Software accepts variable sled weights.)

Test Times

0.1 to 99 seconds- Variable for COF, and Peel

Test Result Readouts

- Tensile and Seal: Peak
- Peel: Average, High, Low, Standard Deviation
- COF: Static, Kinetic, Slide Angle, Standard definition of Kinetic Data
- Statical Analysis

Accessories Available

- Low capacity tensile - manual and air operated grips for seal and tensile tests
- Standard and Custom COF sleds
- 90°/180° peel fixture
- T-peel fixture
- Tray peel fixture
- Delamination test fixtures
- Heated Platen for testing at elevated temperatures up to 350° F

Physical specifications

Dimensions

685.8 mm x 304.8 mm x 177.8 mm (L x W x H)

Shipping dimensions

838.2 mm x 609.6 mm x 355.6 mm (L x W x H)

Net Weight

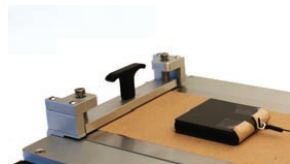
20 kg

Gross Weight

23,6 kg

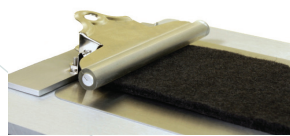
Standards

ASTM D1894, ASTM D4521, ASTM D2534 ,ASTM D3330, ASTM F88, AFERA: 4001 P11, FINAT: FTM 1-6, 10, 11, ISO 6383, ISO 8295, PSTC, TAPPI T-816, TAPPI T-549, TLM1.

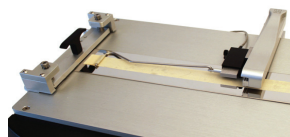


Optional Clamp:

This sample clamp assembly is ideal for thin-sheeted materials.



The FP-2260 is equipped with spring clip assembly for thick or thin samples.



The 180 degree peel arm for peel testing is included with all FP-2260 units.



The T-Peel fixture maintains a 90 degree angle for the tail during a peel test.



The 90 degree peel fixture is an ideal accessory for adhesive materials. Also available with a heated option.



The COF Sled shown with Spring Clamp on the FP-2260 Heated Platen Fixture with Temperature Range 21°C to 204°C