

Thwing-Albert Instrument Company

New in 2007!
The FP-2250

2250 Friction /Peel Tester

Thwing-Albert is pleased to announce the introduction of the newly designed, user friendly, FP-2250 Friction/Peel Tester. The FP-2250 can be configured to measure the static and kinetic coefficient of friction, seal strength, and peel properties of plastic film, paper, paperboard, adhesives, labels and packaging materials.

The FP-2250 utilizes a new multifunctional keypad which allows the user to easily navigate through the multiple menu options. The crosshead and the load cell are adjustable on the FP-2250 to simplify the change between various test set ups. The new system also features an Auto Return/Stop at the end of the test.

One of the best features of the FP-2250 is the new large front panel display screen. The display is 240mm x 64mm and is designed so the test results can be easily read by the operator. The memory capacity on the FP-2250 can store 127 individual tests for each mode, COF, Peel, and Tensile.

The FP-2250 offers optional accessories to perform low capacity tensile and seal strength tests (up to 10 kg/22 lbs), 90° peel, T-Peel, delamination tests, a sled lifting device to meet ISO 15359, and a Heated Platen for testing at elevated temperatures up to 350°.

The FP-2250 can transmit raw data and test reports to an external PC via a RS-232 or USB data communication port. Thwing-Albert offers FP-DAS software which allows the user to send data to an external PC for additional analysis.

Outputs to the PC include result data and raw data for curve analysis and storage using our optional FP-DAS software package



The FP-2250 Friction/Peel Tester has been updated for easier operator interface.

Features:

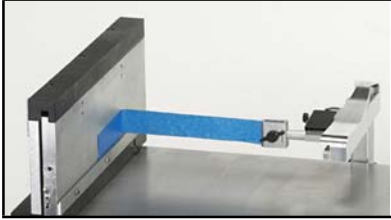
- Multifunctional membrane keypad
- Easy to read front display (240mm x 64mm)
- Interchangeable .5kg, 1kg, 2kg, and 10kg load cells
- Adjustable crosshead and load cell (Vertically and Horizontally)
- Automatic Return of the crosshead
- 14" of Crosshead travel
- Store 127 tests each for COF, Peel and Tensile
- USB and RS-232 Data Communication Port
- Available Test Area- 225mm x 350mm
- Electronic over travel switches
- Newly designed sled improves sample preparation
- Selectable force units- g, kg, lbs, oz, N
- Preset Industry Standard Test Method storage
- Ability to Save Customized Test setups
- Industry standards:
ASTM D1894, D4521, D3330
TAPPI T816
ISO 8295



The FP-2250 features a new multifunctional membrane keypad to navigate the various test screens



The Difference
In Testing

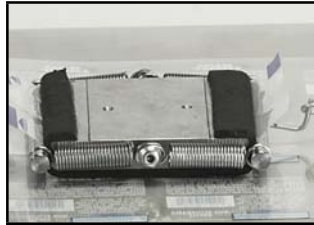


The 90° peel fixture is an ideal accessory for adhesive materials that must be kept at a constant 90° angle. This accessory is also available with a heated option.

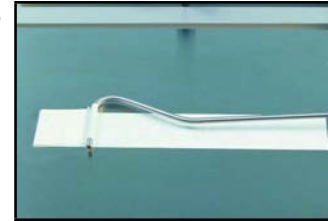


Air grips are available for low capacity tensile and seal strength tests. (up to 10 kg/22 lbs)

The new design of the sled makes sample preparation easier and more consistent for COF tests.



The 180 degree fixture comes standard with the FP2250 for peel testing.



Physical Specifications - Model FP2250

Dimensions	27 in L x 12 in W x 7 in H	(685.8 mm x 304.8 mm x 177.8 mm)
Shipping Dims	33 in L x 24 in W x 14 in H	(838.2 mm x 609.6 mm x 355.6 mm)
Net Weight	44 lb (20 kg)	Gross Weight 52 lb (23.6 kg)

*Above Dimensions do not include PC

Performance Data

Measurement

Load Cell Range:	.5kg, 1kg, 2kg, and 10kg
Force Resolution:	0.1g for all load cells
Force Accuracy:	0.25% of full scale
Force Units:	Grams, Kilograms, Ounces, Pounds, and Newtons

Travel Speed

Standard Speed:	1 to 20 in/min (25.4mm to 254.2mm)
High Speed	10 to 110 in/min (254 to 2,794 mm/min)

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

Represented By:

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

Operating/Storage Environment

Air Temperature:	Operating: 10° to 50° C Storage: -25° to 70° C
Relative Humidity:	Operating: 10% to 85% (Non-Condensing) Storage: 5% to 90% (Non-Condensing)



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