

FRICITION/PEEL TESTER

FP-2250

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.

We offer FP-DAS software which allows the user to send data to an external PC for additional analysis.



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

Cardboard, Packaging, Paper, Plastics

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, D4521, D3330

TAPPI T816

ISO 8295



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.

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: 25.4 mm to 508 mm/min

High Speed: 254 to 2,794 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

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)

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

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