

## Friction Peel Tester Type 2255

High end friction peel tester according to ASTM D 1894, ASTM D 4521, ASTM D 3330, ASTM F 88, DIN EN ISO 8295, TAPPI T-816, BS 2782 and FINAT 1, 2, 3, 9.

The Friction/Peel tester has rapidly gained worldwide acceptance throughout industry and educational facilities as an accurate, reliable and easy-to-use instrument. Extremely versatile, this instrument measures static and kinetic coefficient of friction as well as peel properties of paper, paperboard, plastic films, adhesives, labels and packaging materials. Continuous software improvement has resulted in an enhanced testing instrument capable of measuring COF, 90° peel, 180° peel, T-peel and seal strength. The standard unit provides a load cell of choice (0.5, 2 or 10 kg), a selection of sleds and peel clamps. The unit also provides data storage with statistics and a printer output. COF- and peel-settings are saved in memory for quick retrieval for future testing. A standard USB port provides result data and continuous curve data for PC interface.

### Friction testing

Testing slip and friction properties of sheeted materials and evaluation of treatments and additives designed to minimise surface contact friction.

### Peel testing

Providing both peak and average peel strength for materials such as pressure sensitive tape, adhesive labels, and low strength bonding agents. Also useful in evaluating the strength of packaging seals.

### Features:

- 5 Standard languages
- Offers the ability to create, save, and password protect test set ups
- Easy to read front display
- Adjustable crosshead and load cell
- Store 128 tests each for COF, Peel and Tensile
- USB and RS-232 Data Communication Port
- Electronic over travel switches
- Selectable force units- g, kg, lbs, oz, N
- Preset industry standard test method storage
- Ability to save customized test setups



### Options:

- **Software:** provides enhanced capabilities and enables the test data to be displayed graphically, to store results and curve data for a series of measurements
- **Sample clamps:** mechanically operated
- **Delamination fixture:** performs a 90° peel test on rigid material to measure lamination strength
- **180° T-peel attachment:** maintains a constant 180° angle during measurements
- **90° peel attachment:** maintains a constant 90° angle during measurements
- **Heated platen:** for measurements up to 204°C



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## Technical data:

### FP 2255

#### Dimension

Width (mm)	686
Height (mm)	178
Depth (mm)	305

#### Characteristics

Load cell range (gr.)	500, 1000, 2000, 10000
Force resolution (gr.)	0,1
Force accuracy	0,25 % of f.s.
Weight (kg)	20
Force Units	Grams, Kilograms, Ounces, Pounds and Newtons
Test times (s)	0,1 ... 99
Standard COF sleds (gr.)	100, 200, 500, 1000, 1814 and 2000
Speed (mm/min.)	25,4 ... 508
High speed option (mm/min.)	254 - 2794
Power requirements	110/115 VAc +/- 10% / 60 Hz 230 VAc +/- 10% / 50 Hz
Data port	USB / RS 232