FRICTION AND PEEL TESTER

Accuracy and versatility in testing is vital, and the CF-800XS precision friction tester provides the technology and range of options to deliver for your specific needs. An intelligent controller and touch screen user interface stores multiple settings for later recall, and controls settings to ensure calibrated accuracy to international testing standards.

EIGENSCHAFTEN

- 5.7" touch screen controller for precise control and measurement of force, distance and speed
- Memory recipe function for quick and accurate recall of settings
- Vacuum suction across the test bed for fast clamping of test material
- Optional heated test bed for determination of 'Hot Slip' values.
- Versatility to meet ASTM, BS, ISO and TAPPI standards
- Integral controller and data analysis for stand alone use in laboratory and production environments, optional pc data acquisition

TECHNISCHE DATEN

Power connection	100 V / 50 Hz, 230 V / 50 Hz
Compressed air connection	nein
PC connection	RS-232, USB
Width / Diameter	70 cm
Depth	50 cm
Height	25 cm
Weight (net)	25 kg

NORMEN

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

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CF-800XS - Precision Co-Efficient of Friction Tester

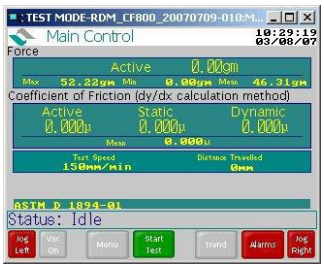
THE CF-800XS PRECISION CO-EFFICIENT OF FRICTION TESTER DETERMINES THE STATIC AND KINETIC FRICTION PROPERTIES OF PLASTIC FILMS, FOILS, LAMINATES, PAPERS AND BOARDS. THE EQUIPMENT PERFORMS TESTS TO RECOGNISED INTERNATIONAL TEST STANDARDS INCLUDING BS 2782 METHOD 824A, ASTM D1894, ISO 8295, AND TAPPI T549.

This equipment is essential for measuring the slip properties of packaging materials to ensure smooth running on production packaging machines or to measure the effect that a coating or print has on base material.

The CF-800XS features the latest in design and technology for machine set up, testing, measurement and recording using touch panel screen display units. The constant, smooth lead screw driven cross arm ensures reliable and repeatable measurement.

Other benefits include: Vacuum suction on the bed to clamp the material, optional temperature control circuit to heat the bed for `hot slip´ values, together with analogue recorder output and RS232 output for either chart recorder logging or computer data logging of results.

Trend Display



Results Display

ISO 9001 QUALITY MANAGEMENT

RDM Test Equipment
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Hertfordshire, CM22 6JX, UK

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ASSURED QUALITY
TESTING SOLUTIONS

Specification

Bed Material:	Anodised cast aluminium. Surface finished standardised to RDM specification.
Sled Material:	Anodised aluminium with foam contact pad.
Sled Dimensions	63.5mm x 63.5mm (2.5" x 2.5"), mass 200g +/- 0.5% Other sleds available on request.
Speed Control:	10 – 1000mm/min, accuracy +/- 0.5% via in-line encoder. DC synchronous motor/gear box driving ball screw and crosshead.
Force Reading:	0-1000.0 grams +/- 0.25% (other load range can be specified)
COF Reading:	Calculated value in the range 0 to 1.00, accuracy +/- 0.25%
Touch Panel Screen:	LCD, 256 Colour, QVGA, 320 x 240 pixels, 14.48cm diagonal viewing. Touch screen, analogue resistive (gonze) with serial controller Processor Geode SC2200. 266 MHz MMX compatible. 2 MB, on board flash memory for firmware 64 MB memory
Vacuum:	Air pressure of 80 – 100 PSI supply with venturi generated vacuum pulling +90 % vacuum
Operating Temperature:	Ambient to 35 deg.C. Optional Hot Slip Bed controllable ambient to 100ºC +/- 5 deg.C
Dimensions:	80 x 58 x 56 cm (WxDxH), 37kg
Data Output:	Touchscreen displayed results for Static COF, Dynamic COF, Active COF, Mean Load, Maximum Load. RS232 serial output to optional PC data collection software
Power:	240 VAC single phase 50/60 Hz (110V AC available on request) 0.75 KW max
Environment:	5-35 deg.C ambient operating temperature, RH 75% max (non-condensing)

Standard Accessories

- 200g 63.5mm x 63.5mm sled
- Sled / Bed Templates
- Check weight
- Sled links
- Sample clamp magnetic strips

Options

- Temperature circuit for HOT SLIP measurement
- Software package for data logging via RS232 link
- Ski sled 100g for measurement of stainless steel on test material
- Bed inserts to give test comparison with different metals
- Tensile grips for T peel or tensile test
- Peel attachment for 90° and 180° label / sticky tape peel test

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