CF-800xs

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.

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.

UK & INTERNATIONAL

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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).

nqa ISO 9001 QUALITY MANAGEMENT

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