



www.hanatekinstruments.com

HANATEK **CFT**
COMPACT FRICTION TESTER

- Static and dynamic coefficient of friction
- Fast, repeatable measurements
- Compliant to multiple standards

CFT Compact Friction Tester

VERSATILE INSTRUMENT • REPEATABLE MEASUREMENTS • EASY TO USE

The Compact Friction Tester provides detailed information of the slip characteristics of packaging material.



Surface slip is a key factor when printing, erecting or filling packaging materials on an automatic line. Friction parameters help the manufacturer understand how the finish of a blown film or printed carton can influence the feeding and running speed.

In addition to these values the CFT produces detailed force graphs that can be printed to date / time stamped label (optional extra).

MEASURING FRICTION

The Hanatek CFT measures both static and dynamic coefficients of friction.

Static Friction: The initial force required to make two surfaces slip against each other.

Dynamic Friction: The ongoing force required to maintain movement between two surfaces.

How is friction measured using the CFT? A sample of 63.5mm² with a weight acting over the entire surface area is moved over another sample at a given speed. Static and dynamic COF are automatically calculated and displayed on screen.

This is typically a face to face test.

Exact test parameters are specified in ASTM D1894, ISO 8295, ASTM D2534, TAPPI T549.

FEATURES

- Single touch button to initiate tests based on defined test parameters
- Automatic sled placement with variable dwell times give more repeatable static slip results



FEATURES

- Graphical representation of forces during test
- Static and dynamic COF results displayed on screen immediately after test
- Full statistical analysis of test results can be printed to Hanatek label printer for easy reporting
- Pre-loaded ISO/ASTM/TAPPI test methods
- Easy load sled for fast sample preparation
- Easy sample mounting



- Suitable for use in the production or laboratory environment
- Optional results printer



HANATEK INSTRUMENTS	
CFT Friction Tester	
Test Date:	23/01/2015
Test Time:	11:15
COF Static	0.030
COF Dynamic	0.025
Sled Mass:	200 g
Speed:	500 mm/sec
Distance:	500 mm
Dwell:	5 sec

TOUCH SENSITIVE INTERFACE

The CFT uses an intuitive touch sensitive interface making it incredibly easy to use.



APPLICATIONS



Cartons



Paper



Leather



Plastic film



Coatings



Textiles



Printed packaging



Printed paper



Labels



Foils

CFT Compact Friction Tester

INSTRUMENT SPECIFICATIONS

STANDARDS	ISO 8295, BS 2782 pt 8, ASTM D1894 TAPPI 549 and T816
RESOLUTION	0.1g / 0.001 COF
ACCURACY	0.5g
SPEED	User definable, 100-1200 mm/min
DISTANCE	User definable, 10-120 mm
POWER	110/240V 50/60Hz
SLED	200g
WEIGHT	5.5kg
DIMENSIONS	(H) 135mm x (W) 365mm x (D) 254mm
PACKED WEIGHT	7.5kg
PACKED DIMENSIONS	(H) 310mm x (W) 380mm x (D) 455mm
COMMODITY CODE	9024 8011

ORDER CODES

Instrument:	HAN-A6050FRICTION
Printer:	RL-B-PRINTER
Sample Cutter (Film):	RL-A80-002
Sample Cutter (Board):	RL-A80-003

INCLUDED ACCESSORIES

- 200g sled
- UKAS traceable calibration certificate
- Cutting template and knife

OPTIONAL ACCESSORIES

- Universal sample cutter for the simple preparation of samples. Suitable for a variety of substrates.



- Results printer



HANATEK INSTRUMENTS	
The Manufacturer of the CFT Friction Tester	
Instrument:	CFT-FRICTION
Test Date:	23/01/2015
Test Time:	11:15
COF Static	0.030
COF Dynamic	0.025
Sled Mass:	200 g
Speed:	800 mm/sec
Distance:	500 mm
Dwell:	5 sec



Certificate no: FS 695372
ISO 9001:2015

LOCAL AGENT



Rhpoint Instruments Limited • Rhpoint House
Enviro 21 Park • Queensway Avenue South • St Leonards-on-Sea
East Sussex • TN38 9AG • UK • Tel: +44 (0) 1424 739623
sales@hanatekinstruments.com • www.hanatekinstruments.com