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# hanatek

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## CFT Compact Friction Tester

### Quick Start Operation Guide

# MEASURE THE STATIC AND DYNAMIC COEFFICIENT OF FRICTION OF FLEXIBLE PACKAGING MATERIAL

## Sample Preparation

Prepare sled sample using included template.

**FILM** samples should be 63.5mm x 70mm to use the easy load magnet bars.



**BOARD** samples should be 63.5mm x 63.5mm.



The magnet bars must be used even when testing with board as they contribute to the total sled weight of 200g.

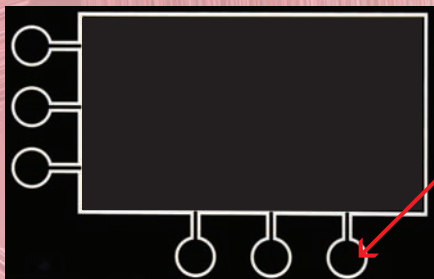


The substrate attached to base should be 67mm x 70-180mm (maximum distance of travel is 120mm).

Lift clamp and line up sample using the guidelines on the instrument base plate.


Switch on instrument.





After switching on instrument wait 5 seconds, then press bottom right hand button.





When this screen is displayed, press the bottom right hand button. Press  to go to the main measuring screen.






Main test screen.


## Selecting a test method

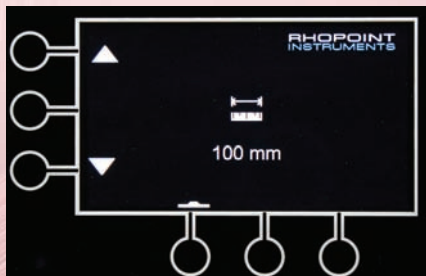
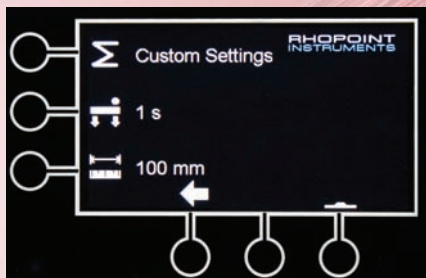
Press  button to enter settings menu.


Press  button to select the time that the samples are in contact for before the test begins (note, this must be >1 for the sled positioning pins to operate).

Press  to define the test distance of 20m-120mm.



Press   buttons to increase or decrease measurement.

Press  button to return to settings menu.





Press  button to select available test standards until the one required is displayed. Test weight and speed are displayed for each standard.




Select 'custom settings' and then define custom sled weight  (if applicable) and speed. 

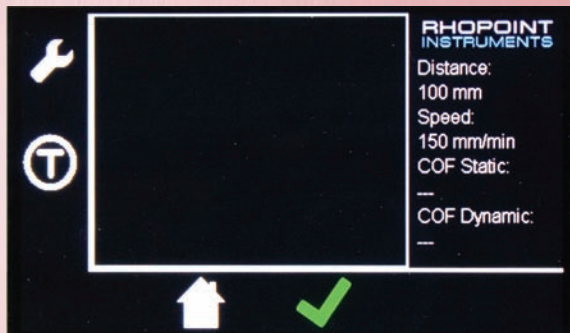


Press  button to return to test setup menu then press  to return to main test screen.

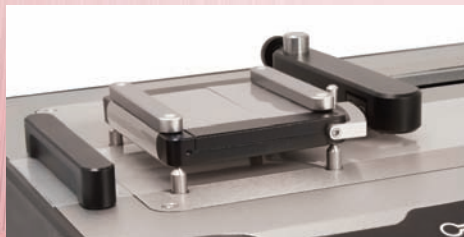



## Running the test

Press  button and hold for 3 seconds to tare the instrument.




Position the sled on the locating pins and attach sled to load cell. (pins will only raise if dwell time > 1).





Press  button to start the test.

At the end of the test, static and dynamic COF results are displayed as well as the graph.



Press  button to output to optional results printer.

To conduct further tests, **remove sled** and then press  button.

When the new samples have been positioned and the sled is on the locating pins, press  button to test again using the previous parameters.





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