



[www.rhopointinstruments.com](http://www.rhopointinstruments.com)



[sales@rhopointinstruments.com](mailto:sales@rhopointinstruments.com)



**HANATEK** **FST**  
FILM SHRINK TESTER

## Film Shrink Tester

- Stretch Film
- Blown Film
- Shrink Wrap

# What does the FST measure?

The Hanatek Film Shrink Tester has been designed to quickly and easily measure the effect of temperature on plastic film.

The application of heat causes certain plastic films to rapidly contract; this effect can be used to seal and pack many items from food to consumer goods.

The shrink effect is due to internal forces locked into the film during manufacture being released by heating, it is also known as linear thermal shrink or free shrink. The amount of shrinkage is dependent on the film type, thickness and sealing temperature.

Testing the percentage shrink of a film ensures that it is suitable for a particular packaging application and establishes the correct temperature for that application.



## Why is film shrinkage important?

Film shrinkage is important to industry as blown films are often heat treated to form protective packaging for perishable food or manufactured products.

Blown plastic films contract when heated; this effect is used to seal or protect food or industrial products. In contrast, a film that exhibits too much shrinkage may distort a product or form a weak functional barrier.

The Hanatek Film Shrink Tester is used to measure the effect of temperature on blown films.

## Benefits of using The Hanatek FST

- ✓ Easy to use
- ✓ Fast and accurate hotplate control allows film shrink tests to be performed in minutes
- ✓ Easy to read backlit scale allows percentage shrink to be easily determined
- ✓ Determines quality of cast and blown films
- ✓ Measures unrestrained film shrinkage



# Features

Controlled temperature test platen

Backlit graticule to easily read percentage shrink



FREE  
EXTENDED  
WARRANTY

Integrated test timer

Temperature set point and actual instrument platen temperature



Applications include:



Stretch film



Blown film



Shrink wrap

# Specifications

Specification	Details
Standards	Results equivalent to ASTM D2732 (hot oil bath test method). This is a safer and more cost effective laboratory measure of percentage shrink
Display	LCD with set point and actual temperature reading
Temperature	Range: 40-200°C
Accuracy	Accuracy: +/- 0.3°C
Timer	Lapse timer with alarm registers overshoot
Dimensions	120mm (H) x 300mm (W) x 270mm (D)
Weight	4.7kg
Packed Weight	6.1kg
Packed Dimensions	350mm (H) x 450mm (W) x 290mm (D)
Commodity Code	9027 8017

## Accessories included:

- High temperature oil
- Template
- Pipette
- Tweezers
- Cutting knife
- Carrier discs



**Free extended 2 year warranty:** Requires registration at [www.rhopointinstruments.com](http://www.rhopointinstruments.com) within 28 days of purchase. Without registration, 1 year standard warranty applies.

**Calibration and service:** Fast and economical service via our global network of accredited calibration and service centres. Please visit [www.rhopointinstruments.com](http://www.rhopointinstruments.com) for detailed information.

## Factory Sample Evaluation

Send in samples of your material for testing and receive a comprehensive test report.

Ready to receive a quote?

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Rhopoint Instruments Ltd  
Rhopoint House, Enviro 21 Park, Queensway Ave S,  
St Leonards, TN38 9AG, UK  
T: +44 (0)1424 739 622  
E: [sales@rhpointinstruments.com](mailto:sales@rhpointinstruments.com)  
[www.rhopointinstruments.com](http://www.rhopointinstruments.com)

Rhopoint Americas Inc.  
1000 John R Road, Suite 209, Troy,  
MI, 48083, United States  
T: 1.248.850.7171  
E: [sales@rhpointamericas.com](mailto:sales@rhpointamericas.com)  
[www.rhopointamericas.com](http://www.rhopointamericas.com)

Rhopoint Instruments GmbH  
An der Kanzel 2  
D-97253 Gaukönigshofen, Deutschland  
T: +49 (0)9337 900-4799  
E: [info@rhpointinstruments.de](mailto:info@rhpointinstruments.de)  
[www.rhopointinstruments.de](http://www.rhopointinstruments.de)

