

Наклонный тестер скольжения FTIP

Технические характеристики

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Typical applications

- **Cosmetics industry**
- **Packaging industry**
- **Paper and carton manufacturing**
- **Lab substrate measurement**
- **Packaging control**

FRICION TESTER INCLINED PLANE (FTIP): A SIMPLE AND RELIABLE SYSTEM FOR SLIP RESISTANCE MEASUREMENT

Sofraser's FTIP, with its motorized, inclined platen, uses the simplest technology for the dynamic coefficient calculation of slip resistance measurement.

The sample slips off the plate when the average dynamic frictional force (F_d) value is reached. The integrated electronic device automatically provides the angle at which this takes place and chronometers the amount of time it took for the sample to slip between two optical cells.

- **Reliable measurement:** With its motorized platen, sensitive optical cells, and electronic angle and speed calculation, uncertainty is removed thus providing consistent slip measurement that follows manufacturing or packaging operations.
- **Simple operation:** Just prepare the samples, place them on the platen, and push the start button. The measurement is accomplished in a few seconds.
- **Versatility:** The two weight configurations and the adjustable optical sensors adapt to many sample sizes.
- **Complete solution:** The slip time and angle values determine the slipping coefficient. A corresponding formula integrated into the electronics provides directly the friction dynamic coefficient.
- **Durable investment:** Sofraser's IPFT has non-wearing parts, boasts a robust design, requires minimal maintenance, and provides a rapid return on investment plus long-term profitability for many industries.



Inclined Plane Friction Tester

Features and Specifications

	Angle	Dynamic coefficient
Range	<ul style="list-style-type: none"> • 0 ° - 45 ° 	
Resolution	<ul style="list-style-type: none"> • 0.1 ° 	<ul style="list-style-type: none"> • 0.001
Repeatability	<ul style="list-style-type: none"> • ± 0.2 ° 	<ul style="list-style-type: none"> • 0.01
Sliding speed	<ul style="list-style-type: none"> • 1.71 ± 0.05 °/s (between 5 ° and 30 °) 	
Chronometer display	<ul style="list-style-type: none"> • 0.01 s 	
Optical cells	<ul style="list-style-type: none"> • min. 23 mm – max. 150 mm (1" min. - 6" max.) 	
Sled sizes / weight	<ul style="list-style-type: none"> • 40 x 20 x 85 mm and 566 g (1.5" x 0.7" x 3.3" / 1.2 lbs) • 20 x 20 x 60 mm and 188 g (0.7 x 0.7 x 2.3" / 0.4 lbs) 	
Power	<ul style="list-style-type: none"> • 220 VAC 50/60 Hz • 110 VAC in option 	
Overall Size	<ul style="list-style-type: none"> • (h) 400 mm (w) 400 mm (l) 650 mm max. (h) 18" (w) 20" (l) 19" 	
Weight	<ul style="list-style-type: none"> • 16 kg / 35 lbs 	

Sofraser is a 40 year material testing specialist and is the inventor of the viscometer held in vibration at resonance frequency. Patented in 1981, it is now widely considered the most reliable in-process instrumentation. For more information on our products and to access our expertise, visit our website www.sofraser.com or contact us at instruments@sofraser.com



Adjustable platen and optical cells



Sleds



По вопросам продажи и поддержки обращайтесь:

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