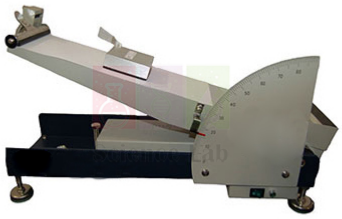
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Inclined Plane Tester

Product Code :

SLE/ET/07



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Description :

Inclined Plane Tester (Product Code: SLE/ET/07) is a tilting-plane friction instrument used to determine the coefficient of friction between film and film, film and metal, and film and glass in packaging and plastics laboratories. The plane rises at 1.5° to 2.0° per second beneath a 750 gram sled measuring 4 inch × 2 inch, and two stainless steel templates are included. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory equipment exporter from India serving domestic and overseas buyers.

Specifications

Parameter	Detail
Purpose	Coefficients of friction: film to film, film to metal, film to glass
Speed (plane tilt)	1.5° to 2.0° per second
Sled weight	750 g
Sled size	4 inch × 2 inch
Accessories	2 stainless steel (S.S) templates
Power supply	230 V, 50 Hz, single phase
Product code	SLE/ET/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Inclined Plane Tester Used For?

The inclined plane method finds static friction without a force gauge. The sled, faced with the sample, rests on the plane, which tilts steadily at 1.5° to 2.0° per second until the sled starts to slide; the tangent of that angle is the static coefficient of friction between the two surfaces. Because the instrument is intended for film-to-film, film-to-metal and film-to-glass pairs, one set-up compares a packaging film against itself and against the surfaces it meets on machines and shelves.

Film converters use it to set slip specifications and check production batches, while physics and engineering courses use it to show the angle of friction on real materials. Fit the film smoothly to the 750 gram sled without creases, clean metal or glass surfaces before each run, and repeat on fresh sample areas before averaging the slip angle. Laboratories that also own the horizontal-pull Static and Kinetic Friction Tester can compare the two methods directly.

What to Specify When Ordering

- The material pairs you will test: film to film, film to metal and/or film to glass
- Extra stainless steel templates or a spare sled, if needed (ask us)
- Site supply (listed: 230 V, 50 Hz, single phase)
- Quantity and delivery location

Manufacturer

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