TMI

Coefficient of Friction Tester

Model 32–25

INDUSTRIAL PHYSICS

Protecting
Product Integrity

Slide Angle Friction is a measurement of a sheet like substrate such as paper, corrugated, plastic film or paperboard which determines the angle of inclination at which one substrate affixed to a sled will begin to slide/slip against another substrate of a similar material.

During a test, an inclined plane is increased at a rate of 1.5 ± 0.5° per second by an electric motor until the test block begins to slide. The initial movement of the sled is the Slide Angle or Coefficient of Static Friction of the material. When the test block just begins to slide a photo-optical sensor automatically stops the inclined plane and the operator can read the slide angle result.

A variety of factors can affect the Slide Angle measurements including abrasion, coatings, varnishes, printing and most importantly humidity.

Applications

Paper, plastic film, packaging films, paperboard, corrugated and other sheet like materials

Specifications:

- 0 to 80° angle
- Conforms to TAPPI T 815, T 548 and ASTM D 202 with optional sliding blocks

Features:

- Motor-driven elevation
- Simple, low-cost measurement of static COF
- Photo sensor automatically stops the test after initial sled movement
- Measures only Slide Angle or Coefficient of Static Friction

Other:

- A horizontal plane method is also available to measure Static and Kinetic Coefficient of Friction
- See models 32–07, 32–71 and 32–91

Ordering Information

Catalog number 32-25-00 (COF Inclined Plane Tester)
Electrical: Specify voltage requirements when ordering.

Sliding blocks (1 required)	Catalog number
T 503 sliding block for shipping sacks 3.5x4in., 1,260g	32-25-02
Sliding block for fiberboard 2x4in., 750g	32-25-03
D 202 sliding block for electrical insulation paper 2.5x3in., 235g	32-25-04
T 548 sliding block for printed paper 2.5x2.5in., 200g	32-25-05
Sled for COF 1.5x3.5in., 500g	32-25-08
T 815 sliding block for fiberboard 3.5x4in., 1,300g	32-25-12

Custom sliding blocks available upon request

Physical Specifications

WxDxH: 560x130x280mm (22x5x11 in.)
Weight: 7kg (16lb)

Vertrieb in Deutschland durch:

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