

# Incline Plane Coefficient of Friction tester

Model: C0045

This instrument is used to determine the coefficient of static friction of most packaging materials by measuring the angle at which one test surface begins to slide against another inclined surface as the incline is increased at a constant and prescribed rate.

As the plane rises at a rate of  $1.5^\circ \pm 0.5^\circ/s$ , the first sign of movement from the sled is detected by a micro switch, stopping the plane movement and recording the relevant angle of the incline. The test is frequently referred to as a slide angle. The coefficient of friction is numerically equivalent to the tangent of that angle.

## Applications

- Paper
- Plastics
- Film
- Foil
- Coatings

## Options

- D202 Sled: 63.5mm x 76.2mm, 235g
- T 815 Sled: 90mm x 100mm, 1300g
- T 548 Sled: 63.1mm x 63.1mm, 200g
- Custom size sleds are available
- Cutting Template - Plane: 130 x 140mm
- Cutting Template - 1300g Sled: 93 x 160mm
- Cutting Template - 200g Sled: 66.5 x 100mm
- Custom size cutting templates are available

## Connections

- Electrical:
  - 220/240 VAC @ 50 Hz
  - 110 VAC @ 60 Hz

(Please specify when ordering)

**IDM**<sup>®</sup>  
instruments



## Standards

- ASTM D202
- TAPPI T 815
- TAPPI T 548

## Dimensions

- H: 130 mm
- W: 260 mm
- D: 210 mm
- Weight: 8 kg

## Features

- Motor driven
- Angle Inclination: 0 - 60°
- Angle Indication: 0.1°
- Inclined Rate:  $1.5 \pm 0.5^\circ/s$

## Benefits

- Easy to use
- Fast Results
- Accurate
- Reduce Waste Material



Also view model C0054 –  
Manually Operated  
Incline Plane COF Tester