

PARAM® COF-P01 Inclined Surface Coefficient of Friction Tester

COF-P01 Inclined Surface Coefficient of Friction Tester is professionally applicable to the determination of static coefficients of friction of paper, paper board, plastic films, sheets, convey belts and other materials. By testing the frictional properties of materials, the open performance of packages, packing speed of packers and other indexes could be controlled to meet requirements for production.



Professional Technology

- The instrument is professionally applicable to the determination of static coefficients of friction of specimens on the inclined surface
- The functions of freely changeable angular velocity and automatic plane reset support combinations of non-standard test conditions
- The sliding plane and the sled are treated by degaussing and remanence detection which effectively reduce the system errors
- The instrument is controlled by micro-computer with LCD, PVC operation panel and menu interface, which is convenient for customers to test or view the test data
- Equipped with micro-printer and RS232 port for convenient PC connection and data transfer
- Supports Lystem™ Lab Data Sharing System for uniform and systematic data management

Test Standards

This instrument conforms to the following standards:

ASTM D202, ASTM D4918, TAPPI T815

Applications

The instrument is applicable to the determination of static coefficients of friction of:

Basic Applications	Films	Including plastic films and sheets, e.g. PE, PP, PET, single or multi-layer composite films and other packaging materials for food and drugs
	Paper and Paperboard	Including paper and paper board, e.g. various paper and composite printing products of paper, aluminum and plastic
Extended Applications	Aluminum and Silicon Sheets	Including aluminum sheets and silicon sheets
	Textiles, Nonwovens	Including textiles and nonwovens, e.g. woven bags

Technical Specifications

Specifications	COF-P01
Angle Range	0° ~ 85°
Accuracy	0.01°
Angular Velocity	0.1°/s~10.0°/s
Specifications of Sled	1300g (standard)
	235g (optional)
	200g (optional)
	Customization is available for other masses
Ambient Conditions	Temperature: 23±2°C
	Humidity:20%RH~70%RH
Instrument Dimension	440 mm (L) x 305 mm (W) x 200 mm (H)
Power Supply	220VAC 50Hz / 120VAC 60Hz
Net Weight	20 kg

Configurations

Standard Configurations	Instrument, Micro Printer and Sled of 1300g
Optional Parts	Professional Software, Communication Cable, Sled of 235g, Sled of 200g and Customized Sled

Please Note: Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at www.labthink.com for the latest updates. Labthink reserves the rights of final interpretation and revision.