

FPT-F1 Coefficient of Friction / Peel Tester

FPT-F1 Coefficient of Friction / Peel Tester is suitable for testing the dynamic and static friction coefficient of plastic film, sheet, foil, paper, paperboard, woven bag, fabric style, metal composite belt, conveyor belt, textile, paper and other related materials for communication cable and cable, and peel strength of adhesive composite products, medical paste, release paper, protective film and other products.



Professional technology

- Two test models with coefficient of friction and 180 degree peeling.
- Wide range, high-precision temperature control device can easily test samples at different temperatures.
- Seven gear test speed and three gear test range can meet different test conditions of users.
- The instrument can meet the requirements of GB, ISO and ASTM.
- The test table and slide block of the standard instrument are degaussed and remanence tested, which effectively reduces the system test error.
- The system is controlled by computer and microprocessor, which is convenient for users to carry out test operation quickly.
- Professional software provides curve superposition statistical analysis of test results, which can show test results to users accurately and intuitively.
- Equipped with USB interface, professional measurement and control software, can complete various tests through software control instrument.
- Support the laboratory data sharing system and manage the test results and reports.

Rich application

Basic application	Thin film	It is suitable for testing static and dynamic friction coefficient of plastic film and sheet
	Paper	It is suitable for testing the dynamic and static friction coefficient of paper and paperboard

Testing principle

With high precision sensor, the sample is clamped in the fixture, and the dynamic and static friction coefficient and low peeling force of the material surface are measured by the motion test platform.

Test standard

The instrument meets many national and international standards: ISO 8295、ISO 8510-2、GB 10006、GB/T 2790、GB/T 2791、GB/T 2792、ASTM D1894、ASTM D4917、ASTM D3330、TAPPI T816、TAPPI T549



Technical index

Item \ Model	FPT-F1 Coefficient of Friction / Peel Tester
Load range	5N
Accuracy	0.5 Grade
Test speed	1~500mm/min (Stepless speed regulation)
Maximum stroke	300mm
Temperature	Room Temperature ~ 99度
Weight of sliding block	200g(100g 500g 1000g 1814g 2000g Optional)
Sample width	0-30mm
Maximum stroke	300mm (180 degree peeling)
Power	250w
Size	790mm(L)*300mm(W)*185mm(H)
Net weight	30kg

Product configuration

Standard configuration	Host, peeling chuck, 200g slider, 500g slider, micro printer
Optional purchase	Professional software, communication cable, test board, sampling knife, non-standard slider, non-standard chuck