

# JFLFCT-T02 friction coefficient meter



## 1.introductions

The friction coefficient meter is specialized in measuring the static and dynamic friction coefficients of materials such as plastic films and sheets, paper, rubber, woven bags, cardboard, fabrics, conveyor belts, metal composite tapes, coatings, wood, brake pads, shoe materials, wipers, tires, etc. when sliding. By measuring the smoothness of materials, the production quality and process indicators of materials can be controlled and adjusted to meet the requirements of product use. In addition, it can also be used for measuring the smoothness performance of daily chemical products such as eye drops and cosmetics.

## 2.specifications

No.	Item	Spec.
1	Capacity	5N (optional 10N,30N,50N,100N)
2	Accuracy grade	Grade 0.5
3	Max. stroke	300mm
4	Weight of slider	200g, can customize
5	Test speed	100mm/min (GB),150mm/min (American standard), adjustable speed
6	Test specimen thickness	0-10mm
7	Power supply	AC 220V 50Hz / AC 120V 60Hz
8	Dimension	620x300x220mm
9	Weight	35kg

## 3. test principle

Lay the sample flat on the testing platform of the testing machine, use the built-in clamping fixture of the testing machine to fix the sample, and then place the slider above the sample. The slider is connected to the transmission mechanism of the testing machine, and through the force sensor on the transmission mechanism and the displacement sensor built into the machine, the force and displacement changes during the testing process are collected to calculate various frictional mechanical performance indicators of the sample.

## 4. test standards

GB 10006、ISO 8295、ASTM D1894、TAPPI T816

## 5. features

- ◆ The force value accuracy is 0.5 level, effectively ensuring the accuracy and repeatability of the test
- ◆ The control system adopts a design scheme of servo combined with screw to achieve infinite variable speed, with displacement accuracy controlled at 0.1mm
- ◆ Intelligent configurations such as limit protection, overload protection, automatic return, and power-off memory effectively ensure the safety of user operations
- ◆ Key components are selected from world-renowned imported brands to ensure the accuracy and stability of the system
- ◆ Imported high-speed and high-precision sampling chips to ensure real-time and accurate testing data
- ◆ Large size high-definition color LCD screen, convenient for users to control and display real-time data and curves
- ◆ Support quick viewing of historical data and printing of reports

## 7. packing list

**Standard packing list:** host, built-in software, micro-printer, 200g slider

**Optional:** special software, communication wire, 500g slider, load cell with other capacity



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