

# Co-efficient Of Friction Tester



## Product Info :

**Co-efficient of Friction Tester (COF)** is highly proficient quality testing equipment that is used to evaluate the Co-efficient of friction for material surface which has a slippery nature like a glossy magazine cover, labels, tape, packaging material like plastic sheet etc. The equipment brings new and advanced technology to precisely examine how such surfaces will react to real-life instances and assess the static and kinetic coefficients of friction for the product. Coefficient of friction (COF) testing is performed for a wide range of materials ranging from lubricants, films to items used in our household like ceramic tiles. The test can assess the frictional nature of the material by determining the way by which two surfaces of the same or different materials slide against each other. Packaging material or paper which has a glossy and slippery surface tend to slip off when they are piled upon

each other during storage or transportation. Although the user must wish the product to have a smooth surface multiple instances of slipping off eventually disturb the brand reputation, hence the factor which controls the slippage must be standardized.

This friction impacts the ease of movement to a great extent. If the friction is too high, it might not allow it to move at all and if the friction is too low, the goods might move without any external force just under the effect of he gravity. Also when the friction is too high, then it can also deface the packaging and the printing of the packaging. Defacing the packaging materials also depicts the lower quality of the products. The **coefficient of friction factor** is the ratio between the evaluated frictional forces resisting the sliding movement of two same or distinct surfaces and the normal force holding the two surfaces together.

## Technical Data :-

- Table Top Model
- Load Cell Capacity: 1 Kgf (or as per the client requirement)
- Display: Microprocessor-based LCD display
- Resolution: 1 gm with an accuracy of +/- 1 gm
- Stainless-steel built a moving platform with guider and scale
- Size of sled: 63.5 mm X 63.5 mm X 6 mm
- Weight of sled: 200 gm
- Sturdy structure with an accuracy of 1 degree
- Paint: Powder Coated
- Power: 220 V, 50 Hz

## Features : -

- Microprocessor-based LCD display screen to ensure high accuracy in test results
- Both the dynamic and static friction values can be viewed
- The machine can record up to 9 test readings in memory along with a peak force hold facility
- The functions button comes with a feather touch control
- Equipped with highly efficient load controllers
- The applied speed is indicated on the display screen during the test
- Specifically designed motor which can deliver test speed as per globally acclaimed standards
- Users can view the details of calculation and result value of the Static and Dynamic COF
- Microcontroller-based self-calibration of load and travel is available
- Glass plated & polished stainless steel platform ensures long-run performance
- Equipped with sample holding clamps delivering strong grips

## Our Valuable Customer



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