

No.2087

Coefficient of friction tester for cards

The coefficient of friction on a paper surface is one measure that indicates the surface condition of the paper. This COF tester measures the coefficients of friction in the following mechanism. A 1-kg weight is placed on two overlapped sheets of the same specimen paper. While sliding the weight, coefficients of static and kinetic friction are read on a push-pull gauge.

Optionally, a recorder can be installed to help read coefficients of static and kinetic friction more easily as well as to enable recording of changes of the kinetic friction force.

Specimen size: 180 x 80mm

Driving distance: 5mm, with automatic stop device

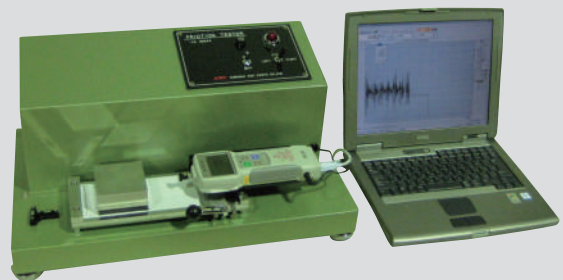
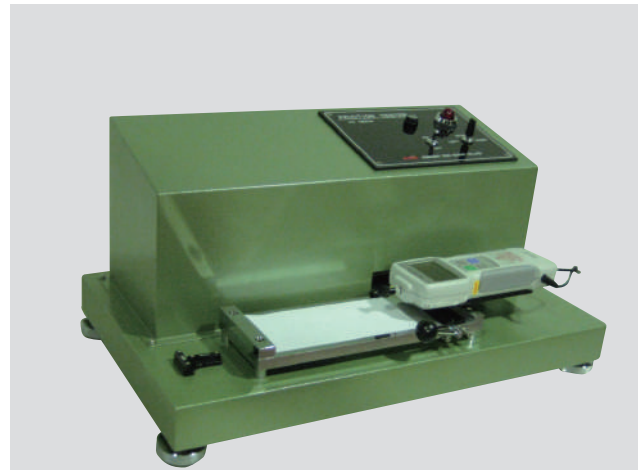
Weight: 1000g, size 76 x 76mm

Driving speed: 90cm/min.

Power source: 100/110VAC 50/60Hz 1A

Outer dimensions: 560 x 350 x 300mm

Instrument weight: 42kg



Computer connect

No.2088

Static Coefficient of friction tester (Incline method)

The coefficient of friction on paper surface is one characteristic that provides a measurement for evaluating the paper surface condition. This tester helps easy measurement of the coefficient of static friction. It works as follows.

A specimen is attached onto each of the inclined driving plate and the traveling weight. As the inclined driving plate gradually increases the inclination, the weight travels at a point where the inclination exceeds the limit of the friction range of the specimen. At that point, the sensor detects the motion and stops the inclined plate immediately. The coefficient of static friction is calculated from that inclination. As the scale markings represent values of the inclination (θ) converted into $\tan\theta$, display shows the value of the coefficient of static friction (μ).

Table size: W 92 X L 185mm

Sled size: W 60 x L 100mm

Sled weight: 1000g

Specimen size: Table 85 x 180mm

Sled 60 x 150mm

Incline speed: 1 ~ 10° /sec

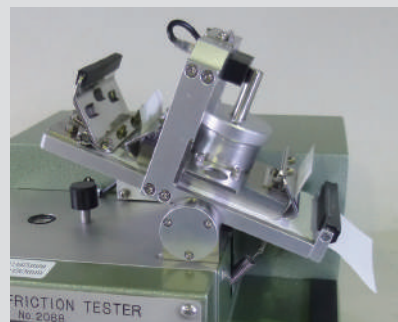
Incline angle 0—55°

Referential standard: JIS P-8147-2010, TAPPI T815om

Power source: Single size 200/220V 50/60Hz 2A

Outer Dimension: 300 x 330 x 300mm

Instrument weight: 11kg



Inclining