

Static Coefficient of Friction Tester

Model No. 2088

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 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 $\tan \theta$, you can directly read the value of the coefficient of static friction (μ).

Specifications

Measurement Range:	Scale of static friction coefficient 0 to 1.500 (minimum increment 0.005), sliding angle scale 0 to 55° (minimum increment 0.5°)
Inclined Plate Speed:	8mm/sec. in measurement, 16mm/sec. in return
Specimen Size:	Specimen A 120 x 250mm (maximum), Specimen B 60 x 150mm (contact surface)
Traveling Weight:	total 1000g
Referential Standards:	JIS P-8147-1994, TAPPI T- 815om-01
Power Source:	100/110VAC 50/60 Hz 1A
Outer Dimensions:	470 x 290 x 410mm
Instrument Weight:	16kg



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