

# STATIC FRICTION TESTER

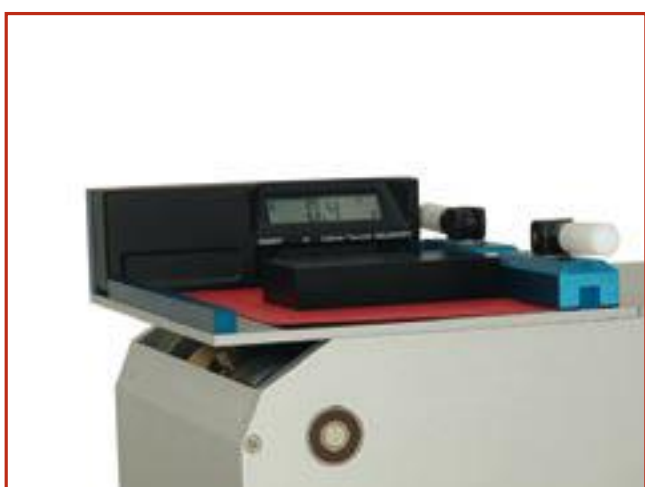
Measures the static friction coefficient

- Stops automatically when sample slides
- Digital display of angle
- Quick clamping of sample



**Applicable standards:**

NF Q03.083  
TAPPI T 503, T 815, T 549  
ASTM D202

*Quick clamping**Moveable platform with block**Finished test*

## Description

The friction tester according to TAPPI determines the static and the dynamic friction coefficient of paper sheets. It consists of an inclinable platform, motor, gear, and slip weight. The platform is provided with a quick clamp device. The block, which serves to clamp the sample, is available in various sizes and weights. The inclination velocity is adjustable by means of a potentiometer. A contact sensor measures the moment, when the block begins to slip. The motor is turned off automatically, and the device stops the test.

## Test description

The sample is clamped in the sample holder of the platform. Another sample is attached to the block and is placed at the right stop of the platform. After turning on the device, the platform begins to incline according to the preset angle speed. Depending on the sample properties, the device recognizes the angle at which the block begins to slip and indicates the value. The device turns off automatically when the slip of the block is detected.

## Specifications

- Available plane blocks:
  - Block A: 2.0 x 4.0", 750 g, 14.50 g/cm<sup>2</sup> (standard)
  - Block B: 3.5 x 4.0", 1,260 g, 14.00 g/cm<sup>2</sup>
  - Block C: 1.5 x 3.5", 500 g, 14.76 g/cm<sup>2</sup>
  - Block D: 2.5 x 2.5", 200 g, 4.96 g/cm<sup>2</sup>
  - Block E: special size according to customer's requirement

Electricity	230 V, 50 Hz
Water supply	None
Compressed air	None
Dimensions (WxDxH)	35x22x23 cm
Net weight	12 kg
Gross weight	18 kg