

STATIC FRICTION TESTER

Code N2901

Measures the static friction coefficient

Applicable Standards: AFNOR NFQ03.083 / TAPPI T503, T815, T549 /
ASTM D202



Quick Clamping



Moveable Platform with Block



Finished Test

Specifications:

According to common standards several blocks are available:

- Block A: 2.0 x 4.0" - 750 g - 14.50 g/cm² (standard)
- Block B: 3.5 x 4.0" - 1260 g - 14.00 g/cm²
- Block C: 1.5 x 3.5" - 500 g - 14.76 g/cm²
- Block D: 2.5 x 2.5" - 200 g - 4.96 g/cm²
- Block E: special size according to customer's requirement

Default Electrical Connection: 110 - 230 V, 50 - 60 Hz

Weight (equipment only / with packaging): 12 kg / 15 kg

Dimensions (W x L x H - equipment only / with packaging): 350 x 220 x 230 mm / 400 x 400 x 400 mm

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.

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www.optest.com - sales@optest.com - +1-613-632-5169