

# Static Friction Tester

## bidirectional

Code: P.108.100.x

### Usage

To measure the static friction between 2 materials in 2 directions.

### Applicable standards

- TAPPI T503
- TAPPI T815
- TAPPI T549
- ASTM D202
- NFQ03.083



## Device description

PTE Austria's Static Friction Tester consists of a sturdy frame with integrated motor/angle measuring system and a 10" touchscreen. Mounted on this frame is a platform with two magnetic holders, which make the clamping of the base material fast and easy, and two sensors. Angle speed can be set in the software.

## Process description

The sample is put on the platform and the 2 magnetic sample holders are closed. A metal block with the reference material is put onto the base paper and has connection with one of the sensors. By pushing the start button on the touch screen, the platform starts to tilt to one direction and when the block begins to move, the angle of the movement's start is automatically registered and displayed. The block is stopped on the opposite side of the starting position and the platform automatically starts to tilt to the other direction. When the block starts to move again, the opposite angle is registered and displayed as well. The movement can be automatically repeated until it is manually stopped – or the number of two direction tilts can be predefined (e. g: 5 times). The device calculates all the statistics (mean, min, max, standard deviation, etc.) and displays them. The instrument stores the last 1000 measurements which can be recalled or transferred to a PC even after some months. On the front USB-Port the values can be stored on a USB-stick and transferred into Excel format.

## Specifications

- 10" touchscreen with especially developed PTE Austria software
- easy and intuitive to use
- fully automatic test process
- automatic determination of the angles in both directions
- magnetic holders for the material
- metal block acc. standards
- USB-port, Ethernet port
- different blocks available

## Connections

- Electricity: 110 - 230 V, 50/60 Hz AC

## Models

Code	Article
P.108.100.A	Friction Tester with block »A«
P.108.100.B	Friction Tester with block »B«
P.108.100.C	Friction Tester with block »C«
P.108.100.D	Friction Tester with block »D«

## Blocks

Code	Article	Dimensions	W
P.108.ZA	Block »A«	2.0" x 4.0"	750 g
P.108.ZB	Block »B«	3.5" x 4.0"	1266 g
P.108.ZC	Block »C«	1.5" x 3.5"	500 g
P.108.ZD	Block »D«	2.5" x 2.5"	200 g

## Parameters

	Dimensions	Weight
Net	350 x 400 x 600 mm	24 kg
Gross	500 x 500 x 800 mm	48 kg