

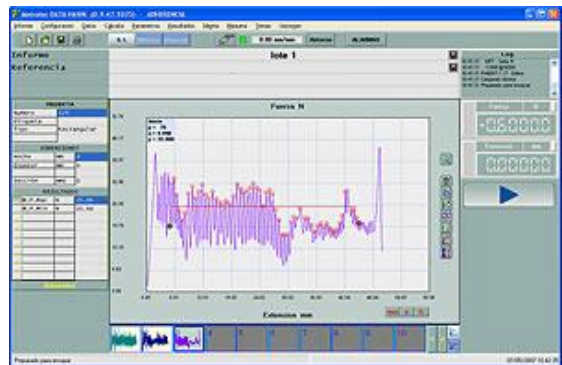
FRICITION TESTER

For fast and accurate determination of Static and Dynamic Friction coefficient of paper, cardboard, plastic films...

Applicable standards: ASTM D1894 (method B) TAPPI T816, T549

NEW...!

technology, capability and ease of use, together...



“Data in Real Time...”

NOW with Ultralight laptop PC + LYNX Universal Testing Software + LYNX Management Module with basic statistics included

Using a Ultralight laptop PC and UNIVERSAL LYNX Tests Software, it is now possible to quickly and reliably capture your test results, with automatic statistical analysis. This eliminates the need for the lengthy process of capturing friction test data by hand and manually entering into a computer.

- ❑ **MBC-3200 Multifunction board, of data acquisition, machine control and connection to PC, remote access by internet..., which allows more: accuracy - repeatability - durability - flexibility - easy of setup**
- ❑ Ultralight laptop PC interface for Data Acquisition and Control
- ❑ LYNX testing software and friction test module
- ❑ **Statistics: Min, Max, Average, Standard Deviation, Gauss Bells, Tolerances and Bars**
- ❑ **Save - Print - Copy to Office Clipboard...**
- ❑ **Languages: English - Spanish - German & French**
- ❑ **Dynamic and Static friction coefficient automatic determination**
- ❑ **Robust and highly accurate**
- ❑ **Easy to operate**
- ❑ **50N Load cell**
- ❑ **USB interface f/connection to a PC**
- ❑ **Performing tensile tests is possible (grips optional)**
- ❑ **Improve Your Quality System to ISO 9000**
- ❑ **Eliminates Human Error**
- ❑ **Compatible with the Integral Testing Management Systems LYNX Plus & Pro**



DESCRIPTION

This equipment has been manufactured according to the ASTM 1894-B - TAPPI T549 & T816 standard, to determine the **"Static and Dynamic" Friction Coefficient** on Paper, cardboard or films. According to Standards, the equipment is based on a mobile sled, pulled by a Dynamometric system of high accuracy.

Due to the high precision and reproducibility of the test results, this equipment is also used for R+D (Research and development) to analyse the frictional properties of surfaces of the materials above mentioned or similar materials, under strictly controlled testing conditions.

TECHNICAL FEATURES

- Sled dimensions (to be chosen):
 - a) According to ASTM D1894 - Method B: Sled sizes: 63,5 x 63,5 mm ; sled weight: 200 g
 - b) According to TAPPI T816: Sled sizes: 63,5 x 63,5 mm.; sled weight: 1.360 g
- The sled moves at a constant speed of 150 +/- 1mm/min, (other speeds can be programmed as well, e.g. standard - AFNOR NFQ 03-082 - 175 +/- 25 mm/min), with a total run of 150mm (adjustable) and automated Stop limit.
- With Test Speed in mm/min and displacement (resolution: 0,1 mm)
- Adjustable test speed; range between 1 - 400 mm/min
- The force required to start and maintain the sliding movement, is measured by a precision load cell force of 50 N maximum capacity; precision +/- 0,005 N (Electronic capturing resolution 0,002 N) - with USB interface and communication cable
- Aluminium sample support with device for height adjustment. Sizes: 150 x 300 mm

SOFTWARE:

This equipment is provided with software for friction tests and automatic calculations of the Static and Dynamic coefficients, with curves and numerical test results.

CONNECTIONS:

Electrical: 230 V , 50 or 60 Hz

DIMENSIONS AND WEIGHT:

Dimensions: 360 x 380 x 570 mm (W x D x H)

Box for transport: 450 x 450 x 650 mm (W x D x H)

Weight Net/Gross: 52 Kg / 100 Kg

DELIVERY CONTENT:

- > Friction Tester
- > Ultralight PC with Windows OS
- > Friction sled to be chosen: ASTM or TAPPI
- > UNIVERSAL **LYNX** Test Software (in Pen Drive)
- > **LYNX** Management Module with Basic Statistics

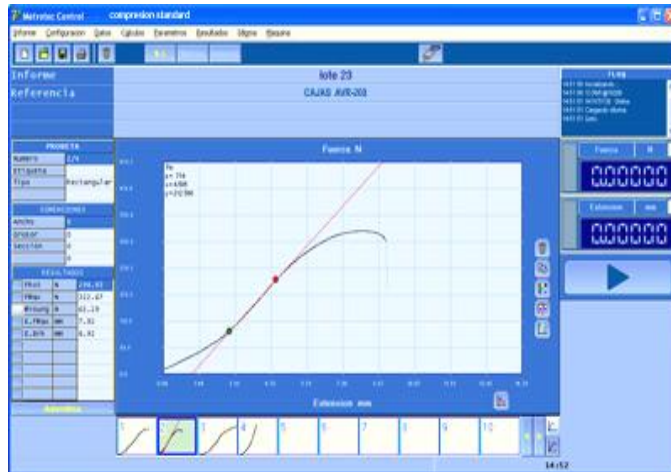
The standard supply does not include the grips and other test devices





TENSILE – COMPRESSION – BENDING – FRICTION and TEARING Tests

“Data in Real Time...”



- ❑ Quickness carrying out tests and obtaining results
- ❑ No human mistakes
- ❑ Traceability according to ISO 9000

Through this multiple Test Module and using a Universal Testing Machine with its correspondent devices and clamps, TENSION-COMPRESSION-BENDING-FRICTION and TEAR tests can be carried out in PAPER – COMPACT BOARD – CARDBOARD – CORRUGATED BOARD samples. Compatible with LYNX Plus & Pro Integral Management Systems

- It marks Maximum-Minimum-Medium Values and Standard Deflection
- Up to 100 tests storing capacity for each report
- SAVE-PRINT-OFFICE CLIPBOARD FUNCTIONS – Reports in PDF format

INCLUDED : Code T-6879 - LYNX MANAGEMENT MODULE with Basic Statistics

The LYNX Management Module allows you to manage the data generated, choose the interface language, prepare and print reports that you can customize with your logo, change the testing units, differently user password levels, introduce the minimum, maximum and optimal values to manage data with statistics, charts bars, GAUSSEN Bell, tolerances comparatives, export data to Word - Excel ..., PDF generation and more.

