

PUNCTURE TESTER

To determine the absorbed energy or resistance to puncture compact and corrugated boards, specially the ones used when manufacturing packaging

According to standards: ISO 3036 SCAN P23 DIN 53.142 TAPPI T-803 ASTM D781
FEFCO 5 UNE 57.076

- § Strong frame in steel, designed to avoid any vibrations during test
(Subsequently, energy losses are avoided)
- § Pendulum arm with a circular angle of 90°
- § Striking head in the shape of a triangular pyramid
- § Disengaging mechanism, with security system
- § Security cover screen.
- § Self-tightening grips with adjustable closing pressure to clamp the sample.
- § 4 reading scales of units in Joules
- § Compatible with **LYNX Plus & Pro**
(Quality Management System)



OPTION:

LYNX Software Systems

Through a PC and LYNX Single Software + Puncture Test Module, it is possible capture quickly and reliable results of the tests. Later it is possible to make statistical calculations



TEST DESCRIPTION

The test principle consists of puncturing a board sample with a striking head, triangular pyramid shaped, and fixed to a pendulum. The required energy for the striking head to cross the sample completely is measured. This means, to do the initial puncture, tear and open the board.

EQUIPMENT DESCRIPTION

The equipment comes with:

- q Strong steel frame, designed to avoid energy losses by vibration during the test
- q Pendulum with arm in circular arch of 90°
- q Striking head in a triangular pyramid (manufactured according to International Standards)
- q Collar with smooth adjustment to the base of striking base (with known loosening energy)
- q Interchangeable weights A, B, C and D to select scale of wished work
- q Disengaging mechanism with security system
- q Security cover screens to avoid accidents to the user
- q Self-tightening grips with adjustable closing pressure to clamp the sample
- q 4 reading scales in Joules

This model includes a digital reading module which allows to measure the absorbed energy during the test, average calculation, deviations... And it has incorporated a RS-232 output to connect the equipment to a P.C.

With 4 reading scales in JOULES:

- ü 0 - 6 Joules with resolution of 0,025 Joules
- ü 0 - 12 Joules with resolution of 0,05 Joules
- ü 0 - 24 Joules with resolution of 0,10 Joules
- ü 0 - 48 Joules with resolution of 0,20 Joules

CONNECTIONS:

Electrical: 230 V, 50 - 60 Hz

DIMENSIONS AND WEIGHT:

Dimensions: 860 x 365 x 620 mm (M x D x H)

Box for transport: 1480 x 470 x 1250 mm (M x D x H)

Weight Net/Gross: 250 Kg / 360 Kg

DELIVERY CONTENT:

> Puncture Tester Digital Code.2911

