

## PUNCTURE TESTER PM01-ED model

For measuring the energy absorption or resistance to puncture compact and corrugated boards, specially the ones used when manufacturing packaging

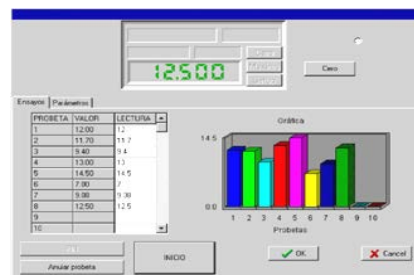
According to standards: ISO 3036 - SCAN P23 - DIN 53142 - TAPPI T-803 - ASTM D781 - FEFCO 5 - UNE 57.076...

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



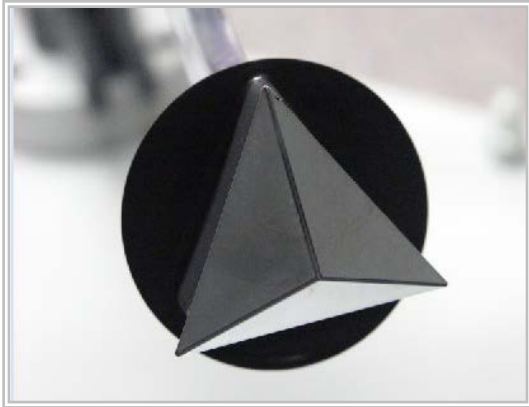
### OPTION: **LYNX** Software Systems

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:

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

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

<p><b>CONNECTIONS:</b> Electrical: 110V/60Hz or 230V/50Hz, Single-phase</p>	<p><b>DELIVERY CONTENT:</b> &gt; Puncture Tester Digital PM01-ED model</p>
<p><b>DIMENSIONS AND WEIGHT:</b> 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</p>	



\* TECHLAB SYSTEMS reserves the right to do any technical modification without advance notice

Doc. : PM01-ED-1-CAT-I-R2