## 1. Puncture Tester



The digital puncture tester is a warp resistant, robust structure with a weight of 350 kg. Which prevents external vibrations affecting the carrying out of the test, and also ensures accurate measurements. A triangular puncture head is attached to a weighted pendulum arm. A frictionless bearing allows exact measurements to be made with the pendulum arm. The sample holder is equipped with a quick clamp mechanism, which allows easy insertion of samples, and an acrylic glass safety guard prevents injury. The results of the test are read from the digital display.

## 2. Features

- fully automated measurement cycle;
- towline-device of the pendulum by electronic-pneumatic device;
- security facility: full-space covering of the pivot range for the pendulum with electronically interlock of release mechanism;
- pendulum with rectangular, equilateral triangle-based pyramid as penetrator;
- digital readout and statistical evaluation of instantaneous and maximum values;
- easy setting of parameter because of touchscreen display;
- adjustable clamping force
- Compatible to MiniStat and Probenet
- optional: support frame

## 3. Specifications

- Maximum punch energy of 96 J (about 960 kgf cm)
- Compact size and reliable mechanic
- Safety catch for the pendulum
- Pneumatic Clamping device with two plates 200 x 200 mm
- Clamping force between 300N and 2050N
- Interchangeable weights attachable to the pendulum
- Protective equipment with acrylic glass
- Digital display with a nominal range up to 96 joule
- External vibrations are damped

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## 4. Test description

A board or corrugated board sample is clamped into the sample holder. After pressing the “Start” button the pendulum is released from its holder and allowing it to puncture the clamped sample with the puncture head. The required energy is determined and can be read from the digital display. After test run is finished the pendulum arm is manually returned to start position.

## 5. Applicable standards

- ASTMD781
- DIN 53142
- TAPPI T 803
- SCAN-P 23:68
- ISO 3036
- FEFCO No. 5

## 6. Scope of delivery

- Puncture tester
- Pendulum weights for 12J, 24J, 48J (standard)
- Optional: Pendulum weight 96J
- Calibration certificate
- Manual
- Power cable
- Optional support frame

## 7. Technical data

- Electricity: 110- 230V, 50-60 Hz
- Compressed air: 400-600 kPa
- Dimension (WxDxH): 840x550x820 mm
- Weight net.: 350 kg


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Product Data Sheet

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