

# Burst Tester

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## for paper or board

Code: E.204.xxx

### Usage

To determine the burst strength and the burst energy absorption (BEA) of paper or board.

### Applicable standards

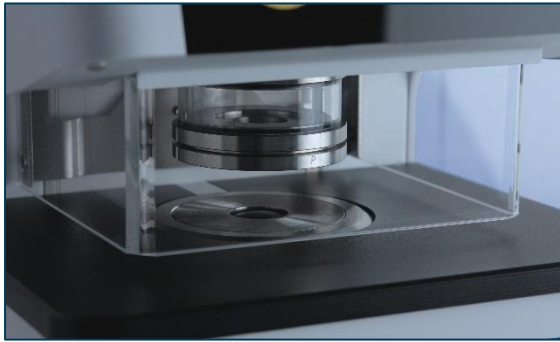
For paper:

- ISO 2758
- TAPPI T403
- TAPPI T807
- PAPTAC D19P
- SCAN P24
- etc.

For board:

- ISO 2759
- TAPPI T810
- TAPPI T807
- PAPTAC D29P
- SCAN P25
- FEFCO No. 4
- etc.





Measure head



Touchscreen and separate start button

### Device description

The burst tester comes with an integrated touch screen, which allows an intuitive operation. The device is built in a sturdy aluminium frame and is equipped with 1 measuring head for bottom measurement of the bursting strength. The measuring range is up to 5 000 kPa for paper and up to 8 000 kPa for board with an accuracy of  $\pm 1\%$  of the displayed value. Clamping force for the sample holder is adjustable from 1 000 N to 7 500 N. Maximum sample height is 12 mm. The display of burst value as BEA (Burst Energy Absorption) is possible as well. The automatic test cycle has a break detection and after the break it returns back automatically to its starting position.

### Process description

The sample to be tested is placed in the measuring area and by selecting the start button on the touch screen the acrylic glass protection first covers and then the clamping bell lowers and fixes the sample. Glycerin under the membrane is compressed and the membrane is pressed against the sample. After the sample broke, the hydraulic cylinder stops and returns to its starting position. The protection cover and the clamping are opened automatically and the maximum pressure is shown on the display as breaking force. Now the next sample can be tested.

### Delivery content

- Burst Tester
- 1 extra membrane
- 230 V power cable
- user manual

### Specifications

- top-quality materials and manufacturing
- motorized hydraulic (glycerin)
- pressure adjustable:  
paper: 50 – 5 000 kPa  
board: 50 – 8 000 kPa
- configurable pumping rate:  
96  $\pm$  6 ml/min for paper  
170  $\pm$  5 ml/min for cardboard
- pneumatic clamping force adjustable between 1 000 N and 7 500 N
- safety cover lowers before the clamping bell
- easy and intuitive touch screen operation
- display of breaking force, values, graphs, statistic values, BEA
- top and bottom values can be stored separately in the memory, duration can be calculated
- RS232/USB port for data transfer
- Compatible with NOVILOG

### Connections

- Electricity: 110 - 230 V, 50/60 Hz AC
- Air: 600 kPa

### Models

Code	Device
E.204.PAP	Burst Tester for paper
E.204.BOARD	Burst Tester for board

### Parameters

Dimensions	Weight
360 x 600 x 530 mm	70 kg