



BURST TESTER

For determination of the burst strength and burst energy absorption (BEA) of paper or board.

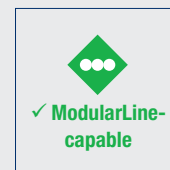
For:



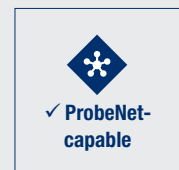
✓ PAPER



✓ BOARD



✓ ModularLine-capable



✓ ProbeNet-capable

MOST IMPORTANT BENEFITS

- ✓ Easy operation via the inbuild touch screen
- ✓ Pneumatic sample clamping
- ✓ Contact pressure adjustable
- ✓ Safety cover around the measuring area

PRODUCT DESCRIPTION

The specially developed ModularLine housing, which comes as standard with user-friendly touch screen and the FRANK-PTI connections, offers an exceptional basis for the high precision measurement technology of the burst pressure tester. This consists, in essence, of a clamping bell and membrane, as well as high precision pressure and force sensors. To prevent wear to the touch screen, the separate start button on the device can be used. The ModularLine burst test device can also be used as a separate laboratory device, as well as for profile testing as a module of the ModularLine.

TEST DESCRIPTION

The sample to be tested is placed in the measuring area. After pressing the start button, the clamping bell lowers and fixes the sample. Glycerine under the membrane is compressed and the membrane is thus pressed continuously against the sample. The sample bulges, and loses cohesion, until it eventually breaks. Then the clamping bell returns to the start position. The measured burst pressure as well as the energy absorption characteristics are displayed numerically and graphically on the touch screen. If more than one test is carried out, these can be compared as statistics, and the standard deviation displayed.

MODELS

MODULARLINE-VERSION

- Paper top side
- Paper bottom side
- Board top side
- Board bottom side

STANDALONE-VERSION

- Paper bottom side
- Board bottom side

TECHNICAL DATA

DEVICE/INSTRUMENT

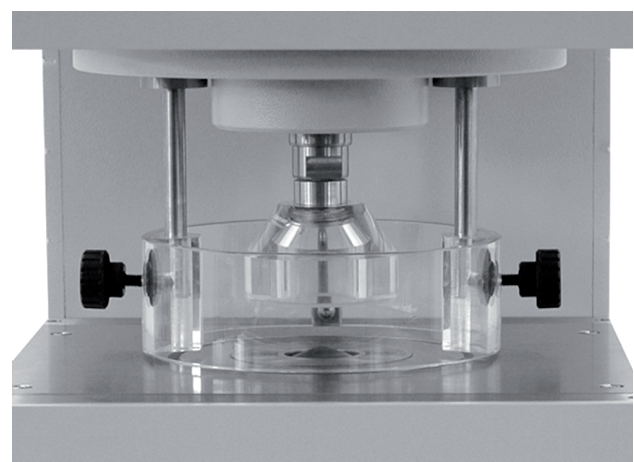
- Pneumatic sample clamping
- Safety cover around the measuring area
- Measuring area:
paper: 860 mm²
board: 780 mm²
- Motor operated hydraulic (glycerine), pressure adjustable:
Paper: 20 – 2,000 kPa
Board: 200 – 10,000 kPa
- FRANK-PTI standard-ports (see page 6)
- Compatible with ProbeNet (see pages 84 – 87)
- ModularLine-version:
Easy operation via the integrated touch screen
Useable as ModularLine unit
- Standalone-version:
Operation via the digital display
No display of the Burst Energy Absorption (BEA)

INSTALLATION REQUIREMENTS

Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 2758 Paper, DIN EN ISO 2759 Board
 - TAPPI T403, T807
- etc.



Measuring area system ModularLine, bottom side