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AIRMATIC BURST TESTER
FOR FILTER PAPERS AND FOILS

For:

✓ TISSUE

✓ FOILS

For determination of bursting strength and bulging height of elastic foils and aluminium foils.

✓ ProbeNet-capable

MOST IMPORTANT BENEFITS

- ✓ Easy operation via the touch screen
- ✓ Electronic sensor for measuring the bursting strength
- ✓ Optical sensor for measuring the bulging height
- ✓ Optional: Pore detection system

PRODUCT DESCRIPTION

The burst tester is equipped with an electronic sensor to measure burst pressure, as well as an optical sensor to measure bulging height. The system can optionally be supplied with an optical porosity detector. This detects pores created during the burst test. Sample clamping is pneumatic, with the ability to preset the clamping pressure. The clamping bell is surrounded by a safety guard, to prevent injury, and is also equipped with a supressor. A pivotable touch screen is attached to the side of the unit, which can be used to define all unit parameters. The burst tester is equipped with a standard FRANK-PTI connector.

TEST DESCRIPTION

The touch screen is used to set the necessary parameters depending on test method (burst strength, bulging height and/or pore detection). The sample is placed in the burst tester and the start button is pushed, causing the clamping bell and safety guard to lower, and the selected test procedure begins. First, the sample is clamped at the preset pressure and then air is blown under the sample (aluminium foils) or into a rubber membrane (filter papers), causing the sample to bulge, until it bursts, to the preset bulge height, or until a pore is detected. According to requirements, the individual values, diagrams, or statistics can be read from the touch screen.

MODELS

- For foils without pore detection
- For foils including pore detection
- For filter paper with a rubber membrane

Available span bells: 50 cm², 100 cm²

Optional: Sixfold electionsystem for presetting the varios flows and testing times

TECHNICAL DATA

DEVICE/INSTRUMENT

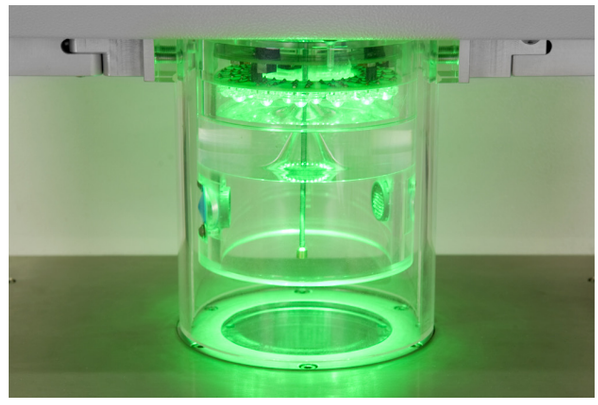
- Easy operation via the touch screen
- Display of values, graphs and statistics
- Electronic sensor for measuring the bursting strengeth
- Linear force increase (10 – 1.000 kPa)
- Optical sensor for measuring the bulging heigth
- Pneumatic sample clamping
- Span bell: 50 or 100 cm²
- Security cover and suppressor
- FRANK-PTI standard-ports *(see page 6)*
- Compatible with ProbeNet *(see pages 84 – 87)*

INSTALLATION REQUIREMENTS

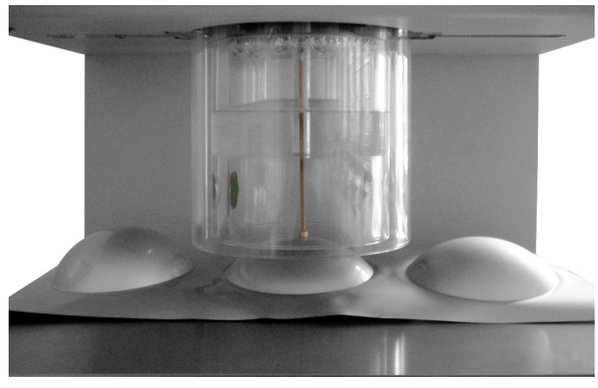
Electrical connection	100 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 13938-2



Ring light for pore detection



Stamp for measuring the bulging height