

Article no. S18622

Stand Alone

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Airmatic Burst Tester

For determination of bursting strength and bulging height of filter papers, elastic foils and aluminum foils.

For:



MOST IMPORTANT BENEFITS:

- ✓ Touchscreen for easy operation
- ✓ Electronic sensor for measuring the burst pressure
- ✓ Optical sensor for measuring the bulging height
- ✓ Optional: Pore detection system

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

 **M.C. TEC**

Sales and service benelux

M.C. TEC
Distributiestraat 73
4283JN Giessen, Netherlands
Phone: +31 0183 445050
www.mctec.nl | info@mctec.nl

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 suppressor. 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.

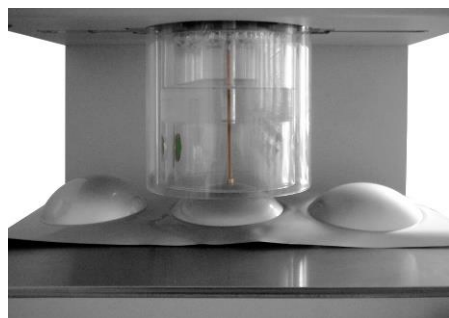
TEST DESCRIPTION

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 (aluminum 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.



Ring light for pore detection



Clamp for measuring the bulging height

TECHNICAL DATA

DEVICE / INSTRUMENT

- Touchscreen for easy operation
- Display of single values, diagrams and statistics
- Electronic sensor for measuring the burst pressure
- Linear force increase (10-550 kPa)
- Optical sensor for measuring bulge height
- Pneumatic sample clamping
- Clamping bell: 50 or 100 cm²
- Safety protection and silencer
- Compatible with ProbeNet

APPLICABLE STANDARDS

DIN EN ISO 13938-2
*more standards on request

MEASUREMENT

Measurement:	
Result display:	[kPa]
Max pressure:	[mm]
Bulging height	[%]
Hole free	[s]
Test duration	
Statistics:	Min., max., avg., Std.Dev., Var. Kof. of the m. series
Sample clamping:	adjustable up to 6 bar / max. 15 kN
Test area:	50cm ² (10cm ² for exchange)
Measuring range:	Burst pressure: 10 – 550 kPa Bulging height: 5 – 35mm
Measuring accuracy:	+/-1% of displayed value

CONNECTIONS

Power supply:	230V/50-60Hz <60W
Water:	no
Compressed air:	6bar, 6mm

DATA

RS232:	Data output
Ethernet:	Data output. / MQTT
USB:	Updates / service
Serial interface:	Printer
PS/2	Mouse / keyboard

DIMENSIONS

Version	L x H x W
S180100000	600 x 865 x 330 mm
	net / gross
Weight	ca. 120 / 145 kg

ARTICLES / MODELS

S186220000 Airmatic Burst Tester with touch-screen

Accessories:

- S186221003 Clamping bell 50cm²
- S186221004 Clamping bell 10cm²
- S186221014 Ringlight (replacement)
for S186220001 Airmatic Burst Tester w. pd
- S406900001 ProbeNet Software including one licence
*requirements explained on request