

PNEUMATIC BURSTING STRENGTH TESTER

BURSTMATIC



Pneumatic bursting strength tester to determine the bursting resistance and the dynamic fatigue of woven and knitted fabrics as well as technical textiles, non-wovens, leather (artificial and natural), and of other non-textile applications (like paper, plastic, packagings, medical, etc.).

The instrument is characterised by its refined design and guarantees an absolute reliability from both functional and security point of view thanks to its special “Perspex” bell-shells.

BURSTMATIC measures the required pressure necessary to burst or tear a specimen, as well as the specimen distension “height” prior to bursting. The sample distension “height” is measured by means of laser technology.

Equipped with:

- pressure rate auto-check system (no need for calibration foils);
- extension height verification system (the use of Johansson gauge blocks is suggested);
- a dedicated air inlet for pressure gauge connection (when calibration is needed).



COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =

BURSTMATIC CODE 338E

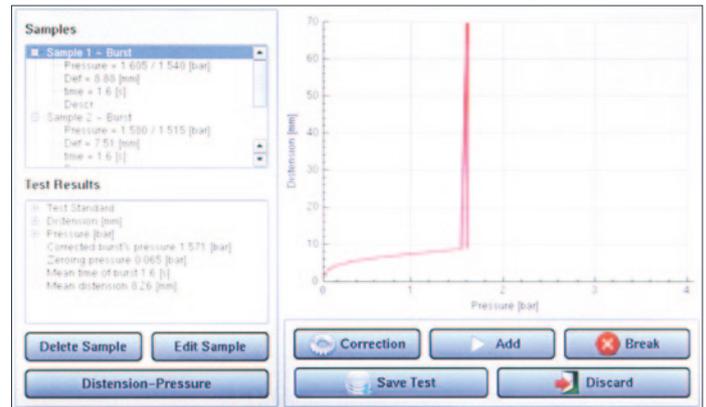
Description

“Stand-alone” unit with wide colour touch-screen display, built-in software, and high data storage capability.

Testing parameters, results and graphs, can also be stored into the BURSTMATIC database and/or transferred through Ethernet to a single PC, or to the company intranet, for remote data exchange and management.

The display shows all testing parameters, statistical results and graphs related to the dynamic behaviour of the tested fabric during either bursting or cyclic tests.

BURSTMATIC can perform single bursting tests, as well as a series of multiple fatigue cyclic tests (hysteresis, analysis of specimen behavior when subject to cyclic extensions and relaxations) on a single specimen, to verify either the distension at a preset pressure level, or the pressure at the preset distension. BURSTMATIC performs tests according to the main international standards, which are already pre-loaded in the software. In case of need, new testing methods can be easily customized and saved by the users.



Example of single bursting test result

Distension measurement range

	mm	inches	cm
Min	0.1	0.004	0.01
Max	70.0	2.756	7.00
Resolution	0.1	0.004	0.01

Pressure measurement range

	bar	kPa	psi
Max	10	1000	145
Resolution	0.001	0.1	0.02



OPTIONAL ACCESSORIES - REFERENCE STANDARDS

Ø (mm)	Test area (cm²)	International Standards	code
Dome kit Ø 30,5 mm	7.3	UNI EN ISO 13938-2, ASTM D3786, M&S P27, WOOLMARK TM29, NEXT 22	338E.144
Dome kit Ø 31,5 mm	7.8	ASTM D3786, WOOLMARK TM29	338E.134
Dome kit Ø 35,7 mm	10	UNI EN ISO 13938-2	338E.38
Dome kit Ø 79,8 mm	50	UNI EN ISO 13938-2, M&S P27, ADIDAS 4.09	338E.102
Dome kit Ø 112,8 mm	100	UNI EN ISO 13938-2	338E.48
Plain rubber diaphragm, 1 mm thick, set of 10 pcs			code 338E.60
Reinforced rubber diaphragm, 1/1,5 mm thick, set of 10 pcs			code 338E.140
Reinforced rubber diaphragm, 1,5/2 mm thick, set of 10 pcs			code 338E.142
Air pressure multiplier set			code 338E.300

CONTROL LAB

personal computer code 237.92, **monitor** code 250.300 or as alternative choice **laptop** code 2532.150. **Ink jet printer** code 250.4, **UPS uninterruptible power source** code 250.306

Officially approved by Marks & Spencer.

GENERAL CHARACTERISTICS

- Pneumatic instrument
- Pressure range 0 – 10 bar
- Pressure measurement precision 0.001 bar
- Distension range 0 – 70 mm
- Distension measurement accuracy 0.1 mm
- Distension measurement by laser
- **Compressed air filter set**, code 338E.400
- **Reinforced rubber diaphragm, 1,5/2 mm thick, set of 10 pcs**, code 338E.142

DIMENSIONS / POWER SUPPLY

Net weight: 65 kg
Dimensions: 370 (L) x 460 (W) x 530 (H) mm
Power supply: 115 Vac or 230 Vac, 50/60 Hz, single-phase

Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding