

## PNEUMATIC BURSTING STRENGTH TESTER

# BURSTMATIC 2



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 2 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).

# BURSTMATIC 2 CODE 338F

## Description

“Stand-alone” unit, equipped with wide touchscreen colour display and software.

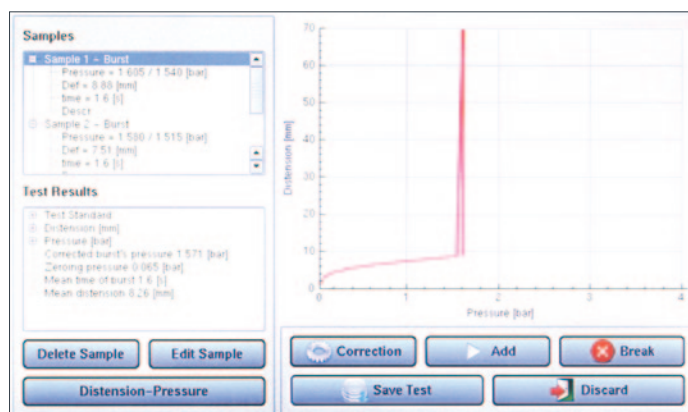
Endowed with high data storage capability (PC not required).

BURSTMATIC 2 automatically generates test reports with results and graphs in PDF format, in the selected language. Test reports can also be easily downloaded on a flash memory or through an FTP connection.

All test parameters, statistic results and graphs, as well as the real-time dynamic behaviour of the tested fabric during bursting or cycle tests, are displayed on the touchscreen.

Compared to the previous version, this new screen is capacitive and with a higher resolution, for a better visualization and touch sensitivity.

BURSTMATIC 2 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 2 performs tests according to the main international standards, which are already pre-loaded in the software. In case of need, the User can create custom tests by selecting: Distension height or distension pressure, Distension rate, Hold time, Release rate, Recovery time, Number of cycles. New testing methods can be easily customized and saved by the users. No need for reference fabrics or aluminium foils for the calibration.



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

### REFERENCE STANDARDS

UNI EN ISO 13938-2, ASTM D3786, M&S P27, Woolmark TM29, NEXT 22, ADIDAS 4.09, GB/T 7742, FZ/T 01030, FZ/T 60019, JIS L1018. 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: 50 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