

# OPTI-BURST



The OPTI-BURST is for detecting and measuring the bursting value, distension and fatigue of textile samples (woven and knitted) as well as technical textiles, nonwovens, paper, cardboard, plastics and leather (both synthetic and natural)

Roaches reserve the right to alter the specifications or modify the appearance of products without prior notice.

The Opti-Burst is a pneumatic instrument, it measures the required pressure necessary to burst specimens and distension prior to bursting. The sample distension height is measured by means of laser technology. All burst tests performed with Opti-Burst conform to the main international standards; these are preset or freely programmable to suit individual/custom made settings.

## Key Specifications

Pressure Range	0-10 bar
Pressure Measurement Precision	0.001 bar
Distension Range	0-70 mm
Power Supply	115V or 230V, 1 Phase, 50/60Hz
Size	370 x 460 x 530 mm
Weight	65 kg



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The OPTI-BURST can use different diameter of domes and thicknesses of diaphragms in accordance to international standards

Dome Selection		
Test Area	Diameter	Applicable Standards
7.3 cm <sup>2</sup>	30.5 mm	ISO 13938-2, ASTM D3786, IWTO TM29, Next TM22
7.8 cm <sup>2</sup>	31.5 mm	ASTM D3786, Woolmark TM29
10 cm <sup>2</sup>	35.7 mm	ISO 13938-2
50 cm <sup>2</sup>	79.8 mm	ISO 13938-2, M&S P27, Adidas 4.09
100 cm <sup>2</sup>	112.8 mm	ISO 13938-2

Diaphragm Selection		
Test Method	Thickness	Diaphragm Type
ASTM D3786	Not Specified	1mm (P), 1mm (R) or 1.5mm (R)
M&S P27	1 mm Plain	1mm (P)
Adidas 4.09	1 mm Plain	1mm (P)
Next TM22	Not Specified	1mm (P), 1mm (R) or 1.5mm (R)
ISO 13938-2	≤ 2 mm	1mm (P), 1mm (R) or 1.5mm (R)
IWTO TM29	Not Specified	1mm (P), 1mm (R) or 1.5mm (R)

(R) = Reinforced Diaphragm      (P) = Plain Diaphragm

This tester can conform to but is not limited to the standards above.

For more standards conformance please email [sales@roaches.co.uk](mailto:sales@roaches.co.uk) or call +44 (0)1924 420083

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