

CINSUN

Stable Reliable Consistent



Hydraulic automatic bursting tester
G229B



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Hydraulic automatic bursting tester — test of resistance to bursting of materials

The tester is used to detect the bursting strength and height of woven, knitted, non-woven, paper or sheet by using hydraulic blasting method. It adopts intelligent control algorithm to precisely control the bursting time, with manual and automatic control modes. Equipped with PC-side control software, it is easy to operate, can analyze and print data of test results, support all standard test areas, and fully meet the requirements of different standards.

G229B Hydraulic automatic bursting tester

1. The instrument deforms the rubber gasket by changing the volume of glycerin at the bottom of the rubber gasket, thereby deforming the test fabric on the gasket. The fabric is subjected to a burst of pressure sufficient to cause it to burst. Its burst strength and burst height will be recorded by the machine.

After testing, the rubber gasket returns to the starting position.

2. Since the hydraulic pressure not only causes the fabric to burst but also deforms the rubber gasket, in order to accurately obtain the bursting strength of the fabric, an air test is performed after the test, that is, the rubber film is separately tested, so that the rubber film can reach an average bursting height of the previous tests, at which the pressure of the film is recorded. The average bursting strength before minus the pressure on the membrane, that is, the average bursting strength of the fabric.



Standards compliant

GB/T 7742.1 Textile fabrics bursting properties - Part 1: Determination of bursting strength and expansion ratio;
ASTM D3786 Test method for hydraulic bursting strength of textiles: diaphragm type bursting strength test method;
BS EN ISO 13938-1 Textile bursting characteristics, Hydraulic method for bursting strength and bursting expansion;
BS 3424-6-B Hydraulic method for determining fabric bursting strength;
ISO 3303-B/3303.2 Glued or plastic coated fabrics. Determination of tear strength;
ISO 2758 Paper. Determination of brittle fracture strength;
ISO 3689 Determination of bursting strength after immersion;
JIS L1018 Test method for knitted fabric;
JIS L1093 Test method for gap strength of textiles;
IWS TM170 International Wool Bureau Standard.

G229B Hydraulic automatic bursting tester—— Several Major Features



Meet multiple test standards

Quick replacement and installation of test cups, with a variety of sizes, covering ISO, BS, JIS, ASTM and GB related standards. Meet different usage needs.



Multi-directional safety protection

Bimanual pneumatic push-button operation, coordinating with the safety cover of the test area, ensuring the safety and reliability of the test process. Automatic bursting control, intelligent control algorithm to precisely control the standard 20 ± 5 s bursting time.



Powerful software functions

Simple and easy-to-use instrument control and data analysis software, and the test software installed on the PC can realize real-time display of test data, easy operation, data saving and viewing, data analysis and printing.



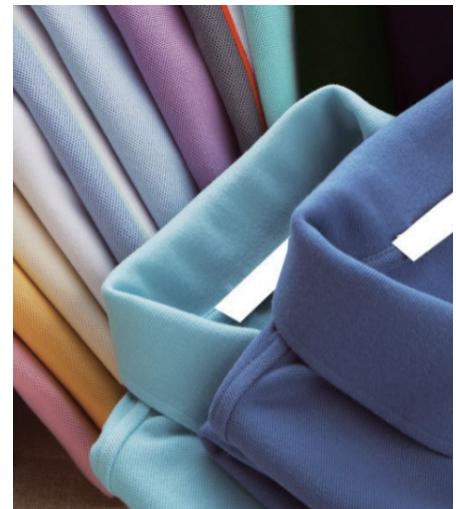
Wide test range

The tester adopts hydraulic ups and downs, and the maximum power can reach 6MPa; The push rod stroke is large and can meet more test requirements.



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G229B Hydraulic automatic bursting tester—— Field Application



It is used to test the bursting strength of materials such as knitted fabrics, paper, and non-woven fabrics.



It is applicable to the performance verification of new products, quality control of the production department, and the of material properties for the third-party testing organization, the product performance verification laboratory, and the quality and technical supervision department, etc.

G229B Hydraulic automatic bursting tester—— Configuration parameter

■ Standard configuration ■■■



229B01

Test kit with diameter
of 30.5MM (including test cup)



229B02

Test kit with diameter
of 35.7MM (including test cup)



229B03

Bursting film



229B04

Loading and unloading wrench

■ Optional Accessories ■■■



229B05

Test kit with diameter
of 30MM (including test cup)



229B06

Test kit with diameter
of 31MM (including test cup)



229B07

Test kit with diameter
of 31.5MM (including test cup)



229B08

Test kit with diameter
of 79.8MM (including test cup)

G229B Hydraulic automatic bursting tester—— Configuration parameter

Optional Accessories



229B09

Test kit with diameter of 112.8MM (including test cup)



229B10

Air compressor



229B11

Glycerin



229B12

Correction aluminum foil / bag

Technical Parameters

Maximum bursting force:6.000Mpa	Sample fixing: pneumatic clamp, double button control
Pressure accuracy:0.002Mpa	Test mode: manual / automatic / optional
Rate of bursting: speed can be manually adjusted, or by selecting intelligent automatic adjustment	Bursting surface diameter:30mm;30.5mm; 31mm; 31.5mm; 35.7mm; 79.8mm;
Size of bursting film:122.8mm	Report output: statistical analysis of results, printable test report
Height of bursting:70±0.02mm	Report format: bursting strength, film pressure, bursting height, bursting time;
Time of bursting:99.9±0.1s	
Output form: printout, display output, real-time graphic display, online communication	Weight:165Kg
	Power supply:220V 50Hz
Hydraulic oil: 85% glycerin, 15% distilled water	Dimension:1300mmX750mmX1400mm



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