



## Pneumatic Bursting Strength Tester Model: ADL-BT04N

### Application

Used for measuring the burst strength and burst expansion of knitted fabrics, woven fabrics, non-woven fabrics, and laminated fabrics, as well as various fabrics manufactured by other processes.

The existing experimental results indicate that there is no significant difference in the bursting strength results obtained by using hydraulic and pneumatic driving methods when the pressure does not exceed 800kPa. This pressure includes the performance level of most ordinary clothing. For special textiles that require higher bursting pressure, it is recommended to use hydraulic method.

### Standards Compliant

GB/T 7742.2, ISO 13938-2, etc

### Features

1. Adopting an industrial grade color touch screen for display and operation control, the user-friendly human-machine interface is simple and easy to use, making operation more convenient. Chinese and English display can be converted.
2. The expansion height adopts non-contact laser ranging technology, which has high measurement accuracy and is stable and reliable.
3. It has four pressurization methods: timed, constant speed, constant pressure, and constant expansion, and multiple testing methods to meet the requirements of different industries.
4. The units of bursting strength can be selected (kPa, bar, psi), and the units of bursting height can be selected (mm, cm, inch) to meet the requirements of different standards.
5. Equipped with various sample holders and automatic recognition function of sample fixtures.
6. The sample is clamped using a pneumatic gripper, and the slow pressing method ensures that the sample is not damaged and does not slip.
7. It has a pressure over range protection function to prevent damage to the instrument.
8. The high transparency organic glass sample holder cover is equipped with an LED lighting fixture, which can clearly observe the expansion and rupture of the sample during the test process.
9. Install an external organic glass safety cover to further enhance the safety protection of operators.
10. It has the function of storing experimental data and printing test reports



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## Pneumatic Bursting Strength Tester

### Model: ADL-BT04N

### Technical Parameter

- Color touch screen - 7 inches
- Printer - Micro thermal paper printer
- Sample clamping method - pneumatic gripper
- Expansion pressure range - 0.2 kPa -850.0 kPa, division value: 0.1 kPa
- Pressure method (pneumatic method) - constant rate expansion, constant pressure cycle, constant expansion degree, and timed expansion
- Pressure rate - 1.0 kPa/s -50.0 kPa/s
- Test area - Standard configuration: 50cm<sup>2</sup> (φ 79.8mm), 7.3cm<sup>2</sup> (φ Two types of area clamps (30.5mm)  
(Optional with other area clamps)
- Expansion height range - When the test area is 50cm<sup>2</sup>, it is ≤ 70mm, and the division value is 0.01mm;  
When the experimental area is 7.3cm<sup>2</sup>: ≤ 30mm, the division value is 0.01mm
- Measurement method for swelling height - laser ranging
- Elastic diaphragm - thickness < 2mm
- Output format - Real time display, query display, print out test reports
- Boundary dimension - W420 × D520 × H610mm
- Power supply - AC220V ± 10%; 100W
- Weight - 75kg

Note: Gas source requirements: Pressure: 0.70MPa-0.80MPa, flow rate ≥ 80L/min.

If the bursting pressure of the test sample exceeds 0.55MPa, an additional booster pump needs to be purchased.

### Standard Configuration

- Sample holders - 7.3cm<sup>2</sup>, 50cm<sup>2</sup>
- Elastic diaphragms - 2 pcs
- Calibrate sealing plate - 1 pc
- Standard measuring block - 1 pc

*\*Technical Data Subject to change without notice.*

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## Our Products

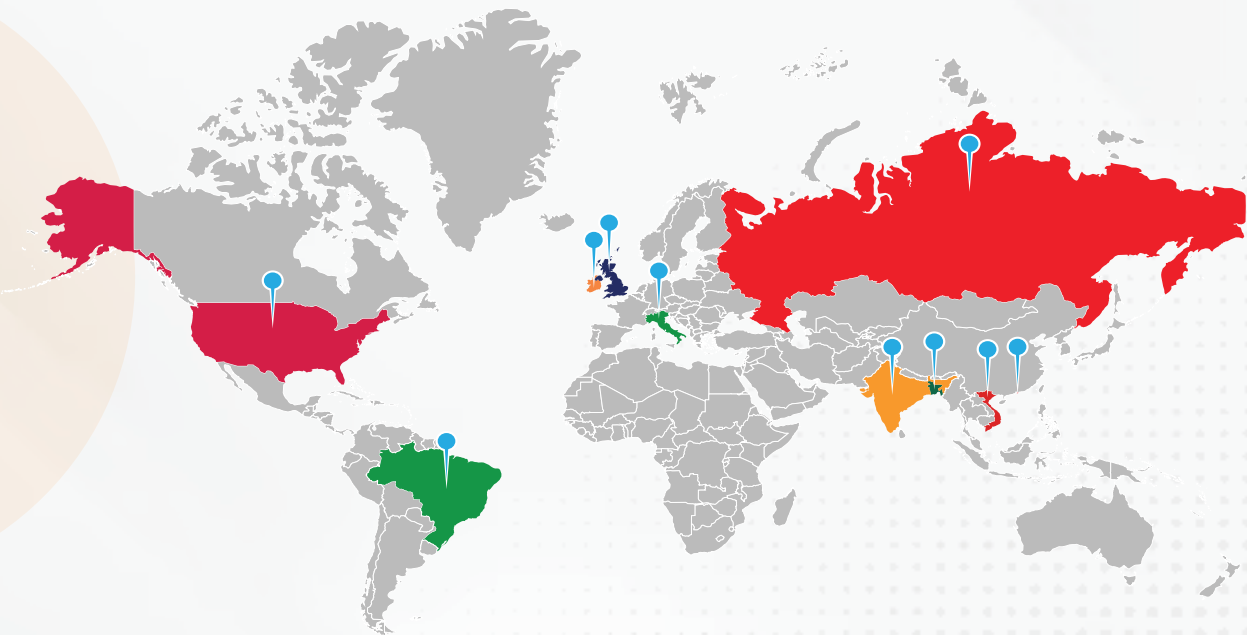
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