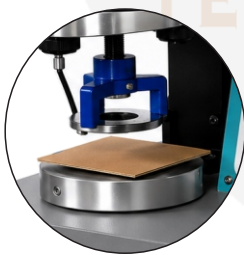


## BURSTING STRENGTH TESTER - DIGITAL PNEUMATIC



Bursting Strength Tester is a reliable and accurate method used to measure the strength of durability of material in various industries such as paper, paperboard, corrugated board, textile, leather, packaging cardboard, paper bags and plastic films and other sheet materials to ensure safety. The material is placed within a special tester and tester continues applying pressure until the materials bursts. This means that it checks the ability of the entire material to withstand the pressure before breaking or bursting. The test is very important for materials so that we can check their ability to withstand stress and pressure during handling and shipping.



**Hydrostatic Pressure Application**



**Pneumatic Clamping**



**Bigger LCD Display**

**Luminous LED Digital Display :** The bright LED readout delivers clear, easy-to-read test results in any laboratory lighting condition, eliminating the ambiguity associated with analogue gauge readings.

**Memory for Up to 9 Test Reading :** Operators can store up to 9 individual burst reading within a test session, enabling the calculation of average value directly from the instrument without manual note-taking.

**Peak Hold Facility :** The peak hold function captures and retains the maximum pressure value at the moment of burst, even if the display is not observed at that precise instant. This ensures no test result is missed or misread.

**Pneumatic Specimen Clamping :** Automated pneumatic clamping removes the variability introduced by manual clamping, ensuring the specimen is held with consistent, repeatable force in every test. This is critical for maintaining measurement accuracy across operators and shifts.

## Key Specifications:

| Parameter                  | Specification                                      |
|----------------------------|----------------------------------------------------|
| Testing Range              | 40 Kg / cm <sup>2</sup>                            |
| Least Count                | 0.1 Kg / cm <sup>2</sup>                           |
| Accuracy                   | ±% within 10%-90% of full range (as per IS : 1828) |
| Specimen Clamping          | Pneumatic                                          |
| Pressure Sensor            | Pressure Transducer                                |
| Test Fluid                 | Glycerine, 98% purified (lab grade)                |
| Rate of Fluid Displacement | 95 cc/minute                                       |
| Display                    | LED Digital Readout                                |
| Power Requirement          | 220V, 50 Hz AC, Single Phase                       |
| Dimensions                 | L 60 cm x W 55 cm x H 45 cm                        |

4B Testing Equipment Bursting Strength Tester is designed and verified to comply with the following internationally recognised test standards.

**ASTM D3786** - Standard Test Method for Bursting Strength of Textiles - Diaphragm bursting Strength Tester Method.

**ASTM D774** - Standard Test Method for Bursting Strength of paper

**ISO 2758** - Paper - Determination of Bursting Strength

**ISO 3303-1:2012** - Rubber-or Plastics-Coated Fabrics - Determination of Bursting Strength.

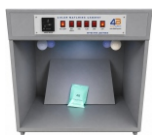
**ISO 3689:1983** - Fiber Building Boards - Determination of Bursting Strength

**BS 3137** - British Standard for Determination of Bursting Strength of Fabrics.

**IS 1060:1987** - Indian Standard for Corrugated Fibreboard Boxes.

**TAPPI T403** - Bursting Strength of Paper

**IS 1828** - Indian Standard Method for Accuracy Specification (±1% within 10%-90% range)

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Color Matching                                                                      | Gloss Meter Triangle                                                                | Wall Thickness Gauge                                                                | Moisture Analyzer                                                                   | Carbon Black Content                                                                  | Fume Hood                                                                             |

Contact us:

**4B TESTING EQUIPMENTS PVT LTD**

1003, 10th Floor Tower - 3, RPS 12th Avenue Sector - 27C, Faridabad - 121003, Haryana

www.4bequipments.com | info@4bequipments.com

Mobile : 9813744722, 9555159647, 8816865099