Balloon Burst Tester

Model No. BBT - 600

Balloon Burst Tester – Balloon Burst Test is a seal integrity test wherein an empty 3 side pre-sealed pouch is clamped on the 4th open side and air injected into it. You can increase pressure up to a certain pressure and check for leakages or you can keep increasing the pressure to measure the peak pressure before the pouch bursts.

- Single Push Button Operation
- Auto Sample Locking under selectable pressure range
- Microprocessor based display for accurate test results
- Peak Hold facility for keeping maximum value of test result in memory
- Memory to hold up to 9 test readings
- Highly accurate test results under multidirectional Pneumatic Force
- Strong Gripping clamps
- Rubber pading of Test Specimen Holder to avoid slippage and intact holding of specimen under test
- Bright LED display
- Feather touch controls
- Calibration lock & key feature

Force required to burst or rupture the material under testing. Balloon Burst of test specimen is expressed in terms of Kg/cm². It is measured by giving Pneumatic pressure through a steel nozzle on the test specimen. Seal strength detector determines seal performance, seal quality, burst pressure, compression resistance, torsion force and joint/disengaging force of flexible packages.
**Key Specifications:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>10 kg/cm²</td>
</tr>
<tr>
<td>Display</td>
<td>LED (Digital)</td>
</tr>
<tr>
<td>Specimen Clamping</td>
<td>Pneumatic</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 1% within 10% to 90% of entire range as per IS: 1828 with master gauge</td>
</tr>
<tr>
<td>Least Count/Resolution</td>
<td>0.01 Kg/cm²</td>
</tr>
<tr>
<td>Pressure Sensor</td>
<td>Pressure Transducer</td>
</tr>
<tr>
<td>Power</td>
<td>220V, Single phase, 50 Hz</td>
</tr>
<tr>
<td>Clamp Area</td>
<td>500mm width</td>
</tr>
<tr>
<td>Upper &amp; lower jaw gap</td>
<td>40mm</td>
</tr>
<tr>
<td>Nozzle Diameter</td>
<td>6.5 outer, 4.1 inner</td>
</tr>
<tr>
<td>Test Range</td>
<td>1 Kg/cm² to 38 Kg/cm²</td>
</tr>
</tbody>
</table>

**Highlights:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory (to hold test value)</td>
<td>Up to 9 test values</td>
</tr>
<tr>
<td>Peak Hold Facility</td>
<td>Yes</td>
</tr>
<tr>
<td>Sample clamping pad</td>
<td>Yes</td>
</tr>
<tr>
<td>Material</td>
<td>Mild Steel</td>
</tr>
<tr>
<td>Finish</td>
<td>Powder coated Havel Grey &amp; Blue combination finish and bright chrome / zinc plating for corrosion resistant finish</td>
</tr>
<tr>
<td>Dimensions</td>
<td>985X339X457</td>
</tr>
<tr>
<td>Sample Clamp Pressure</td>
<td>2 - 5 Bar</td>
</tr>
</tbody>
</table>

* Air compressor not a part of supply

**Optional Features:**

- Digital cum computerized models also available

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- Cobb Sizing Tester
- Scuff Resistance Tester
- Box Compression Tester
- Tensile Tester Digital
- Spectrocolorimeter
- Digital GSM Balance

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