



Bursting Strength Tester

Available Variants

- 25 Kg/cm² – Digital Economy Model
- 50 Kg/cm² – Digital Economy Model
- 25 Kg/cm² – Fully Automatic Operation
- 50 Kg/cm² – Fully Automatic Operation

Compliance Standards

ISO 2758, ISO 2759, ISO 2559, ISO 3303, ISO 3689, BS 3424, BS 3137, ASTM D3786, ASTM D774, ASTM D2738, ASTM T810, ASTM T403, IS-1060 (Part 6 Sec 2)

Salient Features

1. Proven and reliable performance
2. Scientifically calibrated through in-house calibration laboratory
3. Sturdy construction
4. Low power consumption
5. Correctly matched motor provides a constant pumping rate and minimizes manual error
6. Manual sample clamping using hand wheel clamp
7. Quick, easy, accurate and user-friendly operation
8. All replaceable parts are readily available
9. Digital Economy models feature a single-line digital controller/display
10. Fully Automatic models feature PLC and Touch Screen HMI control with logical sample-failure detection
11. Fully Automatic models provide Kg/cm², Bar and PSI unit selection
12. Fully Automatic models store the last five readings and provide Average, Maximum and Minimum values

Digital / HMI Controller Features

- Eliminates the need to continuously hold the push button during pressure build-up
- Eliminates the need for visual inspection of the sample
- Automatically reverses motor operation to release pressure after the test cycle
- Automatic pressure release helps improve diaphragm life
- HMI & PLC models automatically register breaking force
- Touch screen provides soft-touch operation
- Programmable PLC helps minimize human error

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
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Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Technical Specifications

Specification	Details
Instrument Body	Fabricated from Mild Steel Material
Paint	Powder coating in attractive shades
Body Size	22" × 14" × 21" for Digital Economy Models; 18.5" × 14.2" × 28" for Fully Automatic Models
Test Fluid	Glycerin or EP 140 Gear Oil
Test Fluid Tank Capacity	250 ml
Fluid Displacement Rate	170 ± 16 ml/min for corrugated board and paper board; 96 ± 6 ml/min for paper material
Upper Clamp Opening	31.50 mm for corrugated board; 30.50 mm for paper
Lower Clamp Opening	31.50 mm for corrugated board; 33.10 mm for paper
Electric Motor	Reputed make induction motor for Digital Economy Models; reputed make stepper motor for Fully Automatic Models
Pressure Transducer	Honeywell / Danfoss make
Controller	Single-line digital controller for Digital Economy Models; 3.5" colour touch screen with PLC for Fully Automatic Models
Display	LCD display with backlight indication
Maximum Capacity	25 Kg/cm ² or 50 Kg/cm ² , depending on model
Pressure Resolution	0.1 Kg/cm ²
Unit Selection	Kg/cm ² ; Fully Automatic Models additionally support Bar and PSI
Data Storage	Up to last 05 readings in Fully Automatic Models
Power Supply	220 Volts, 50 Hz, Single Phase, AC Supply

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Specification	Details
Overall Dimensions	545 × 600 × 600 mm / 360 × 460 × 710 mm for Fully Automatic variants
Weight	Approx. 53.00–75 kg depending on model
USB Port	Optional, at extra cost
Computer Interface	Optional, at extra cost

Supplied Complete With

1. Spare rubber diaphragm
2. Standard aluminium foil of known value for cross-verification – 1 No.
3. Fluid bottle – 250 ml
4. Test report and calibration certificate

Optional Accessories – At Extra Cost

1. Thermal Printer
2. PC Software for Bursting Strength Tester
3. Dot Matrix Printer – TVS RP-45
4. Blank IQ, OQ, PQ Documentation
5. Pneumatic Clamping System (without Air Compressor)
6. Air Compressor for Pneumatic Clamping

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