



**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001:2015 Certified Company)

# BURSTING STRENGTH TESTER-DUAL HEAD FOR PAPER AND BOARD-10 AND 50 KG PER CM<sup>2</sup>-FULLY AUTOMATIC OPERATION

## Complies with following International Standards

ISO 2758, 2759, 2559, 3303, 3689, BS 3424, 3137, ASTM D3786, D774, D2738, T810, T403

## Salient Features

- Proven and reliable performance
- Scientifically calibrated through our in-house calibration laboratory
- Sturdy in construction
- Correctly matched motor gives constant pumping rate, eliminating manual error as per ASTM, BS and ISO Standard requirements.
- **Manual clamping of sample using hand wheel clamp.**
- Dual head for paper & board testing
- Two Diaphragm Seats.
- **On-Screen Selector switch to select either Paper testing or Board testing.**
- Logical Detection of Sample Failure
- **Common PLC & Touch Screen HMI Controller for both the heads operation**
- **PLC Controller having Facility to Adjust Unit Selection viz. Kg/cm<sup>2</sup>, Bar and PSI**
- **Stores data up to last FIVE readings & Yields Average Value, Max. Value & Min. Value of the Tests.**
- Quick, Easy, Accurate & User Friendly Operation
- All replaceable parts are readily available



## Salient features of HMI & PLC Controller

- Eliminates the need for holding down the push button to build up the pressure
- No need to inspect the sample visually

### Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,  
Near Gujarat College, Ellisbridge,  
Ahmedabad-380 006.  
Phone : (079) 6621 1234  
Website : [www.eieinstruments.com](http://www.eieinstruments.com)

### Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,  
Opp. Primary School, Village Kubadthal,  
Tal-Daskroi, Ahmedabad-382 433.  
Phone: (079)-3520 8300  
E-mail : [info@eieinstruments.com](mailto:info@eieinstruments.com)

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



- It automatically reverses the motor operation and thereby release the pressure on completion of the test cycle
- Due to automatic pressure release mechanism, the diaphragm life is improved, which otherwise is not possible in manual pressure release mechanism.
- Customer do not need to inspect and remember the breaking force all the time as it automatically gets registered within the PLC & HMI System
- Soft touch sensitivity of Touch screen
- Highly advanced and programmable PLC Controller to eliminate human error

#### Supplied complete with following accessories

- A spare rubber diaphragm
- Standard aluminium foils - Lower & Higher Range - for calibration and cross-verification purpose.
- Test report & Calibration certificate

#### Technical Specification

•Instrument Body	: Fabricated from Mild Steel Material
•No of Heads	: <b>02 Different heads - One for Paper testing &amp; Another for Board Testing</b>
•Paint	: Powder coating in attractive shades
•Body size	: 22" x 14" x 21" (L x W x H)
•Test Fluid	: <b>Glycerin or SAE-140 Gear Oil</b>
•Capacity of Test Fluid tank	: 250 ml
•Rate of Fluid Displacement	: 170 $\pm$ 16 ml / Minute (For corrugated board and paper board)
•Rate of Fluid Displacement	: 96 $\pm$ 6 ml / Minute (For Paper material)
•Opening of upper clamp	: 31.50 mm (For corrugated board) / 30.50 mm (For paper)
•Opening of upper clamp	: 31.50 mm (For corrugated board) / 33.10 mm (For paper)
•Electric Motor	: Reputed make induction motor to yield constant rate of pumping
•Pressure transducer	: <b>Honeywell / Danfoss make</b>
•Controller	: <b>Common PLC &amp; HMI Touch screen for fully automatic operation of both modes</b>
•Board Range	: <b>0-50 Kg/cm<sup>2</sup></b>
•Paper range	: <b>0-10 Kg/cm<sup>2</sup></b>

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- Pressure Resolution : 0.1 Kg/cm<sup>2</sup>
- Unit Selection : **Yes - Kg/cm<sup>2</sup>, Bar, PSI**
- Power Supply : 220 Volts, 50 Hz, Single Phase, AC Supply

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