



# VERTEX

## DIGITAL BURSTING STRENGTH TESTER (MODEL BST-D3-P)



Digital Bursting Strength Tester is a reliable index of the strength and performance of materials like Rexine, leather, craft paper, paper board, uneven boards and boxes, industrial fabrics and solid fiber boards, filter cloth, plastic films, foils, sheets etc. VERTEX Bursting Strength Testers is manufactured in compliance with various test standards ASTM D 3786-01, ASTM D 3786-80A, ISO1060 Part-1 1987, Available in various models like Analogue (BST-S2), Digital with desktop software (BST-D3), Digital with inbuilt printer and desktop software (BST-D3-P)

### KEY FEATURES:

- Single push button operation
- Bright LCD touch screen color display
- 5 Units of measurement Kg/cm<sup>2</sup>, bar, Psi, N/cm<sup>2</sup> & Kpa
- Microprocessor based display for accurate test results
- Peak Hold facility to keep maximum value of test result in memory

- Input GSM Value & get Bursting Strength (BS) & Burst factor (BF) directly displayed on screen, no separate calculation required.
- Highly accurate test results under multi directional force
- Strong gripping clamps
- Grooved structure of Test Specimen Holder to avoid slippage of specimen under test
- No slippage in case specimen is tightened uniformly using operating wheel
- Calibration mode for online and offline calibration
- Inbuilt Printer for instant print of results
- PC Interface with software for data analysis and to save test report in excel or pdf format

## SPECIFICATION:

|                                 |                                                        |
|---------------------------------|--------------------------------------------------------|
| <b>Capacity</b>                 | 50 Kg/cm <sup>2</sup>                                  |
| <b>Display</b>                  | Digital - Color LCD                                    |
| <b>Accuracy</b>                 | ±1% within entire range as per IS1828                  |
| <b>Least Count / Resolution</b> | 0.1 Kg/cm <sup>2</sup>                                 |
| <b>Units of measurement</b>     | Kg/cm <sup>2</sup> , bar, Psi, N/cm <sup>2</sup> & Kpa |
| <b>Clamping</b>                 | Manual                                                 |
| <b>Printer</b>                  | Inbuilt thermal printer                                |
| <b>Power</b>                    | 220 V AC, 50 Hz                                        |
| <b>Test Fluid</b>               | Glycerin purity 98% (Lab grade)                        |
| <b>Motor</b>                    | ¼ HP Single Phase, 1440 RPM                            |
| <b>Test Range</b>               | 1 Kg/cm <sup>2</sup> to 50 Kg/cm <sup>2</sup>          |
| <b>Material</b>                 | Mild Steel, Gun Metal, Brass                           |
| <b>Peak Hold Facility</b>       | YES                                                    |
| <b>Dimensions (LXWXH)</b>       | 700X500X540 mm                                         |
| <b>Weight</b>                   | Net. - 85Kg. & Gross – 115 Kg                          |

## STANDARD ACCESSORIES:

|                                     |        |
|-------------------------------------|--------|
| C Spanner for diaphragm replacement | 1 No.  |
| Spare Diaphragm                     | 3 Nos. |
| 200 cc Glycerin bottle              | 1 No.  |
| Calibration foil                    | 2 Nos. |
| RS232 communication cable           | 1 No.  |
| Operation manual                    | 1 No.  |
| Calibration Certificate             | 1 No.  |

**DEMO VIDEO: Please Click on it to open**

