



# BURST STRENGTH TESTER BT-10 series

For measuring the bursting strength on materials such as paper, compact and corrugated cardboard "Mullen type"

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**TECHLABSYSTEMS**

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## BURSTING STRENGTH TESTERS BT-10 series

### APPLICABLE STANDARDS:

**PAPER:** DIN EN ISO UNE 2758 - SCAN P24 - TAPPI T403 - PAPTAC D.8 - BS 3137 - APPITA AS 1301.403

**COMPACT AND CORRUGATED CARDBOARD:** DIN EN ISO UNE 2759 – FEFCO No 4 - SCAN P25 - TAPPI T807 - TAPPI T810 - BS 3137 - PAPTAC D.19 - APPITA AS 1301.438

### TEST DESCRIPTION

Bursting Strength Tester, to test the bursting strength of paper, compact and corrugated cardboard by the of hydraulic load under a Burst Tester diaphragm of a specific area.

After placing the paper or cardboard sample in its test position, under the acrylic protective screen, the TEST button is activated on the screen of the supplied PC. The methacrylate protective screen descends and then the pneumatic piston, closing the specimen holder. Next, the hydraulic pressure device acts on the sample. When the sample bursts, the hydraulic cylinder stops automatically and reverses the direction of travel until it returns to its initial test position.

The burst resistance value is displayed digitally and graphically on the PC screen.

Pumping speeds in each equipment specified by the standard in this regard:

- \* **BT-10/C** for **COMPACT AND CORRUGATED CARDBOARD** = 170 +/- 15 ml / min.
- \* **BT-10/P** for **PAPEL** = 95 +/- 5 ml / min.

\* NOTE: When changing the membrane, it is necessary to purge the air from the hydraulic circuit.

- Direct readings in kPa - Kg / cm<sup>2</sup> - Bar & PSI
- USB connection port for PC connection
- Elimination of human errors
- Languages included: Spanish – English
- Security System during the test
- Pneumatic clamp closing system
- Constant closing pressure
- Closed air purge circuit
- Hydraulic glycerin pressure circuit
- Acrylic protection screen in the test area
- RS-232 interface
- LYNX system compatible



## SPECIFICATIONS

- **Measurement ranges:**
  - Model BT-10 / P for PAPER from 0 to 1500 kPa (other ranges consult)
  - Model BT-10 / C for COMPACT AND CORRUGATED CARDBOARD from 0 to 5000 kPa
  - Model BT-10 / C-100 for COMPACT AND CORRUGATED CARDBOARD from 0 to 10000 kPa
- **Accuracy: +/- 1% of reading between 2% and 100% F.S.D.**
- **Selection of the break detection level between 10% and 90% of the maximum value**
- **Numerical and Graphical data visualization, with Readings in Units:**
  - kPa resolution every 0.2 kPa
  - Bars resolution every 0.002 Bar
  - Kg/cm<sup>2</sup> resolution every 0.002 Kg / cm<sup>2</sup>
  - PSI resolution every 0.03 PSI
- **Automatic test cycle with break detection and return to initial test position**
- **Maximum value memory**
- **Manual and automatic zeroing**
- **With data output via USB, for connection to a PC**
- **Maximum thickness of the sample to be tested of 12 mm**
- **Holding force shows 7000 N maximum, adjustable by pneumatic regulator**
- **Active protective methacrylate safety protective screen (incorrect position of the screen prevents lowering of the upper jaw and prevents accidents)**
- **Emergency button**
- **200 cc capacity glycerin reserve tank, for greater comfort in purging air from the hydraulic circuit during membrane changes**
- **Absorbed power: 250 w**

BURSTING STRENGTH TESTERS BT-10 series

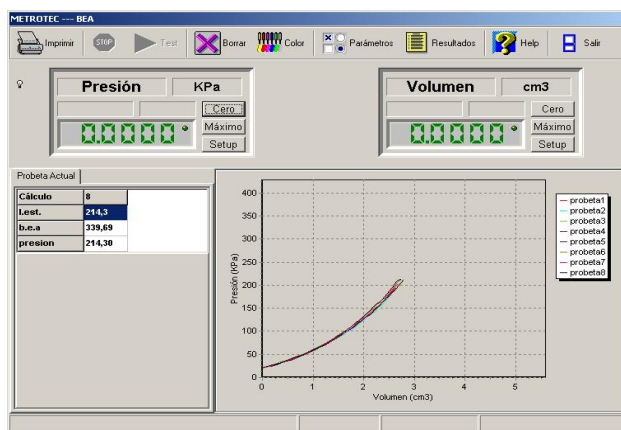
Model	Application	Range kPa	Resolution kPa	Pumping Speeds ml/min	Dimensions W x D x H /mm	Weight kg	Power W
BT-10/P	Paper	1500	0,2	95	400x550x550	65	250
BT-10/C	Corrugated Board	5000	0,2	170	400x550x550	65	250
BT-10/C-100	Corrugated Board	10000	0,2	170	400x550x550	65	250

### STANDARD SUPPLY CONTENT:

- \* BT-10 Burst Tester (C or P) + LYNX software (for Burst Resistance and BEA tests)
- \* LYNX Management Module with Basic Statistics
- \* Mini PC - Windows O.S.

## LYNX Burst Testing Software on Corrugated Paper and Cardboard samples:

- Quickness in the execution of tests and in obtaining results
- Without human error
- Traceability according to ISO 9000
- Languages included: Spanish – English
- The software records minimum, maximum and median value and standard deviation
- Storage capacity up to 100 tests per report
- SAVE, PRINT AND COPY TO CLIPBOARD functions
- Reports in PDF format



The Testing Software allows Burst Resistance tests to be performed on samples of paper, compact and corrugated cardboard.

A package with Basic Statistics is included, to be able to carry out data management, choice of language, generation of reports, library for changing test units, different levels of Password, introduction of minimum, maximum and optimal values to manage data with Statistics, Bar charts, GAUSS Bells, Comparison of Tolerances ..., export data to Word - Excel ..., PDF generation ...

