

Touch Screen Control Bursting Strength Tester

The automatic bursting strength tester is for testing of the strength properties of paper and paperboard. The test standard accordance to ISO2759, ISO2758, GB/T 454



Specification:

Model		EI-BT5600AT	EI-BT1600AT
Specimen		Corrugated board	Paper
Measuring Range		250 ~ 5600kPa	70~1600kPa
Resolution		1kPa	
Units		Kpa, Kg/cm ² , Lb/in ²	
Accuracy	Indication Error	±0.5% F.S.	
	Indication Variability	≤0.5%	
Pressurization Speed		175±5ml/min	95±5ml/min
Specimen Clamp		Pneumatic	
Resistance	Bump Height	10mm,18mm	9mm
	Film Resistance Value	170 ~ 220kPa 250 ~ 350kPa	30kPa
Sample clamping force		> 690kPa (Adjustable)	>430kPa (Adjustable)

Weight		Approx. 55kg
Rate Voltage		240v, 50Hz
Pressure gauge		3.5 ~ 6Kg/cm ²
Air Compressor (Optional)	Exhaust Volume	0.02 ~ 0.3m ³ /min
	Preset Pressure	0.6 ~ 0.7MPa

Software Interface (Touch-Screen):

The software interface consists of several main sections:

- Main Test Screen:** Shows 'Fmax: 0.00kgf/cm2' and 'Test NO. 00 times'. It features a 'Pressure/Time Kgf/cm2' graph, a 'Start testing' button, and a 'Test result' button.
- Test method:** Configurable parameters include 'Stop condition' (Breakpoint), 'Corretion Coef.' (1.000), 'Pressure delay' (2.00 s), 'Difference' (0.0 kgf/cm2), 'Breakpoint ratio' (85%), 'Burst delay' (0.50 s), 'Back delay' (0.50 s), and 'Break judge' (5%).
- Display settings:** Options for 'Forec direction' (Absolute value), 'Print curve' (No), 'Zero before test' (Force clearance), and 'Language' (English). Includes a 'Unit/Accuracy' button.
- Units and Accuracy:** 'Strength' set to kgf/cm² and 'Time' set to s. Accuracy is set to 3% for both.
- System Settings:** Includes a password field, 'Calibration' button, 'Limit buzzing alarm' (checked), 'Resolution' (0.0001), 'Protection' (checked), 'Filter Coef.' (0), and a 90% indicator. Date and time are set to 2022, 11, 23, 14:12:28.
- Test result:** A table with columns 'Number' and 'Bursting strength: kgf/cm2'. Action buttons include 'Print current', 'Print all', 'Delete urrent', 'Delete all', and 'Return test'.