C611B Box Compression Tester can be used to measure the compressive resistance, deformation and stacking capability of cartons, beehive crates, plastic tanks, paper tanks, paper cases, IBC tanks and other packages. The instrument supports online laboratory information and data management.

Product Features[Note1]

- Compact and integrated design and wide range power supply meet the testing requirements of various applications
- Supports crushing force test, stacking test A and stacking test B
- Dynamic digital display of test force, deformation and other test data
- High performance motor and dual precision ball screws support free adjustment of test speed
- Overload protection, maximum stroke protection and error alert for safe test operation
- High end embedded computer-controlled system integrates the instrument with software, requires no external computer
- Labthink's unique data security design improves the reliability of data management and test operation
- Windows-like interfaces, keyboard and mouse, which are easy to use
- USB ports and net port for data transmission
- The instrument conforms to the requirements of GMP (optional)
- Labthink's unique DataShiled[TM] System for data management and connecting with information system (optional)

Test Standards[Note1]

ASTM D642, ASTM D4169, TAPPI T804, ISO 12048, JIS Z0212, GB/T 16491, GB/T 4857.4, QB/T 1048-2004

Applications[Note1]

Basic Applications	Crushing Force Test of Cartons	Crushing force test of corrugated cartons and honeycomb boxes
	Stacking A Test of Cartons	Measuring the deformation of corrugated cartons and honeycomb boxes during stacking process
	Stacking B Test of Cartons	Determining whether the deformation of corrugated cartons and honeycomb boxes is qualified when specified force is applied for a certain period
Extended Applications	Crushing Force Test of Hollow Containers	Crushing force test of hollow containers
	Stacking A Test of Hollow Containers	Measuring the deformation of hollow containers during stacking process
	Stacking B Test of Hollow Containers	Determining whether the deformation of hollow containers is qualified when specified force is applied for a certain period

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Technical Specifications[Note2]

Specifications	C611B
Load Cell Capacity	9 KN (3 pcs)
Accuracy	Indicated Value ±1% (10% ~ 100% of load cell capacity)
	±0.1% FS (0% ~ 10% of load cell capacity)
Force Resolution	1 N
Deformation Resolution	0.1 mm
Test Speed	0 ~ 200mm/min (Any integer within the specified range)
Speed Accuracy	Indicated Value ±2%
Stroke	450 mm
Specimen Height	0 ~ 600 mm
Test Space	0.6 m (L) × 0.6 m (W) × 0.61 m (H)
Instrument Dimension	0.65 m (L) × 0.81 m (W) × 1.62 m (H)
Power Supply	AC220V±10% 50Hz / AC120V±10% 60Hz
Net Weight	180 kg

Configurations

Standard Configuration	Instrument, Monitor, Mouse, Keyboard, Printer (Inkjet), 150mm Plate (1pcs)
Optional Parts	Auxiliary Metering Device, GMP System, DataShield[TM Note3]

Note 1: The described test standards, applications and product features should be in line with Technical Specifications.

Note 2: The parameters in the table are measured by professional operators in Labthink laboratory under strictly controlled laboratory conditions.

Note 3: DataShield[TM] provides safe and reliable data application support. Multiple Labthink instruments can share one single DataShield[TM] system which can be configured as required.

Please Note: Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at www.labthink.com for the latest updates. Labthink reserves the rights of final interpretation and revision.