XYD-15K 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.

Product Features[Note2]

- The instrument is controlled by micro-computer with menu interface, PVC operation panel and the testing process is automatic
- 4 test modes: deformation under defined load, load under defined deformation, maximum load and stack tests
- Dynamic digital-display of the test number, specimen deformation, real-time load and initial load
- Single-phase power and direct-current drive guarantee the adjustability, accuracy and stability of test speed
- Overload protection, maximum stroke protection and error alert for safe test operation
- Light-weight design, suitable for various floor loads
- Equipped with micro printer which is convenient for the printing of test data

Test Standards

This instrument conforms to various national and international standards:
ISO 12048, ASTM D642, ASTM D4169, TAPPI T804, JIS Z0212, GB/T 16491, GB/T 4857.4

Applications[Note2]

Basic Applications	Deformation under Defined Load	Test deformation under defined load of various corrugated cartons and beehive crates
	Load under Defined Deformation	Test load under defined deformation of various corrugated cartons and beehive crates
	Maximum Load	Test the maximum load of various corrugated cartons and beehive crates
	Stack Test	Stack test of various corrugated cartons and beehive crates
Extended Applications	Plastic Casks, Mineral Water Bottles	Compression test of plastic casks and mineral water bottles

Technical Specifications[Note1]

Specifications	XYD-15K
Load Cell Capacity	15KN or 45KN (Optional)
Accuracy	1% FS
Force Resolution	1 N
Deformation Resolution	0.1 mm
Test Speed	5 mm/min, 10 mm/min, 12.7 mm/min
Test Space	1 m (L) x1 m (W) x1.3 m (H)
Power Supply	220VAC 50Hz / 120VAC 60Hz
Instrument Dimension	1.2 m (L) x 1.5 m (W) x 2.3 m (H)

Net Weight	800 kg

Note 1: The parameters in the table are measured by professional operator in Labthink laboratory according to relative requirements for laboratory standard conditions.

Note 2: The described product features, test standards and configurations should be in line with Technical Specifications.

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.