

Box Compression Tester - Digital



Product Info :

Box Compression Tester (Digital Model) is used to evaluate the performance quality of packaging boxes. It calculates the amount of vertical compressive force a particular cardboard box can take before collapsing or deformation. The testing machine is specifically designed as per international standards and comes with advanced features making the analysis precise and easier to conduct. Corrugated or Non-Corrugated Cardboard Boxes are the most popularly used in the packaging and delivery industry. While they are stored and transported, they are subjected to a lot of vertical loads, frictional forces that may damage the integrity of the boxes or cause a deflection which can further damage the products inside. The Box Compression Tester (BCT) is a high standard based and precisely designed equipment that can recreate the storage or transportation scenario and exert calculative

compression load. It helps in studying the impact of the compression on the boxes and the maximum amount of force that a box can bear before deflection. These test values can help the user understand the quality category of material and also their client can decide on the number which box type to opt for packaging or delivery of which product.

The Equipment comes with a moving compression plate which is equipped with load cells that ensure that the compressive load spreads uniformly to the specimen surface. This way we can ensure accuracy in results. A rigid platform for placing a wide variety of specimen sizes for the test. The tester has a digital display that helps in taking quick test readings of the force applied as well as the deflection amount of the specimen.

TECHNICAL DATA :

- Type: Compression
- Capacity: 500Kgf & 1000Kgf & 2000Kgf
- Display: LED (Digital)
- Accuracy: $\pm 2\%$ full scale (with master load).
- Least Count: 50gm & 100gm & 200gm
- Power: 220V, Single phase, 50 Hz
- Test Platform Size : 600mm x 600mm & 1000mm x 1000mm
- Test Speed: 12.5 ± 2.5 mm/min
- Speed Drive: 10mm/min to 50mm/min. (Optional)
- Options: Computerized Model Available (Model: PCBCTC)
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FEATURES :

- Microprocessor based display for accurate test results
- Highly accurate test results under uniform compression Force
- TARE and Peak Hold Facility Available
- Over travel protection
- Strong base plate with rugged structure
- Bright LED display
- Available in various platform sizes and Load Cell Capacity.

Our Valuable Customer



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