



VERTEX BOX COMPRESSION TESTER - BCT



Corrugated and solid fibre board boxes are subject to compressive forces when stacked and during transportation. It is vital to determine the Compression Strength of the Box in order to make sure that the box will be able to resist the anticipated compressive forces and to determine the load that the box will be able to with stand during transit and storage. This equipment is designed to measure ability of the container resist external compression loads during transit and storage. Compression Strength Test also serves as a useful index of over all quality of the material and workmanship of the box.

The standard capacity of box compression strength tester comes with capacity of 1000kgf. Box compression strength tester having higher capacity to accommodate bigger sizes of box also available.

Standards compliances:

IS:7028 (Part VI) 1973 & 7028 (Part IX) 1975

TAPPI: T 804 om-02

ASTM: D 4577 – 94/D 642 – 98

FCBM: 14:96

FEFCO: TM 50 1997

Salient Features of Digital model BCT D1:

- * Direct Digital Readout of Compression Strength and Deflection.
- * Mechanical drive system as specified in IS 7028-VI.
- * Sophisticated electronic controls for precision and easy operation.
- * Available in Capacities:0-1000 kgf and 0-2000 kgf.

- * Electronic Digital Display Panel with least count of 1 kgf and Deflection Panel with a least count of 0.1 mm.
- * Peak-hold facility provided.
- * Testing speed: 10 ± 3 mm/minute.
- * Provision of faster speed for approach and return to top of specimen.
- * Provision for termination of test at pre-selected load (This facility avoids destruction of the box)

Additional Features of Micro Processor-based Digital Model BCT D2:

- * Incorporates Micro Processor-based control panel.
- * Printer Port Facility.
- * Results of the tests are stored for viewing or for taking printouts as required (80 column dot matrix printer to be provided by the user)
- * Auto tare set facility.
- * RS232 port with suitable software to transfer data to PC (PC to be provided by user)

Technical Specification:

Dimensions in mm (LxWxH): 1600 x 1350 x 2060

Weight in Kgs: 820 Approx.

Power requirement: 1.25 kw three phase 415 Volts, separate neutral & earthing.

Capacity: 1000 kgf.

Maximum box size can be tested: 1000mm x 1000mm x 1000mm.

Models with higher load capacities and to accommodate larger size boxes available on request.

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