

Top Load Tester (Micro Digital)

Model: TLT/MD300

Bottle Compression Tester is an efficient and easy to use equipment intended for measuring the ability of bottle to resist external compressive forces. This method describes how to determine the resistance of a bottle to compressive forces. This is accomplished by placing the bottle between two flat platens, one of which is mechanically driven to compress the bottle. A recording device is incorporated to indicate the force required to compress the bottle.

The compressive forces are related to some of those exerted on bottles in stack or encountered in transportation. The method is used to compare the compressive resistance of different lots of similar bottles or to compare bottles of different grades. In addition the information gained may be used to provide an indication of the load that a particular bottle may be able to withstand in service.

Applications:

- PET bottles
- Blow molded containers
- Corrugated Box
- Duplex cartons

Specifications:

- Measuring range (Optional): 100,200 & 500kgf
- Measuring Unit: kgf, lbf & N
- Load least count: 0.1 kgf
- Deflection least count: 1 mm
- Accuracy: +/- 1% of reading
- Test speed: 12.7 mm/min (changeable)
- Location speed: 180 mm/min
- Platen Size: 300 x 300 mm
- Space between compression plate: 325 mm
- Power: 0.4 kw, 220 VAC, 50Hz Single Phase

Dimensions:

- Depth: 475mm
- Height: 985mm
- Width: 650mm

Weight:

- Net Weight: 140 kgs
- Gross Weight: 200 kgs



Features:

- Single push button operation automatic test cycle.
- A large LCD Display shows the test result.
- Precision Lead Screw drive system.
- Automatic return to test position
- Auto Calibration in 5 simple steps.
- Overload protection (Preset)

Standards:

- TAPPI T 804
- ASTM D 2659
- DIN 55440-1:99