



Box Compression Tester 25kN CT

Model 17-40-0001

The Box Compression Tester is a four column, heavy-duty tester designed to determine the compressive forces which a transport case is subjected to, either in transit or stacked in a warehouse. Boxes can be tested to complete collapse or held automatically at a predetermined load for a given period to evaluate stacking loads.

The construction of the tester consists of a rigid moving platen driven by four recirculating ballscrews. Platen parallelism is better than 1:4000. Load readings are taken from an average of four balanced load cells to compensate for the effect of any off center loading.

The model CT features automated control of test procedures from an external PC. A comprehensive Windows.NET software package is provided to cover all types of testing.

Features:

- Max load capacity 25kN (2549 kg, 5620 lb)
- Units of compression may be selected in N, kgf or lbf
- Four averaging load cells
- Load cell accuracy better than 0.5% of indicated value
- Repeatability and reproducibility is ensured by the use of four guide columns maintaining platen parallelism
- RS232 serial data output
- Auto loading range is 40 N to 25kN and boxes up to 1m³ can be accommodated
- Speed range is digitally selected from 0.1 to 500 mm/min
- Cycle between preset loads or extension limits
- Test modes: constant deflection and constant load

Applications:

Corrugated boxes and cartons

Standards:

ASTM D4169, ASTM E-4, BS 1610:1985 Grade 0.5, DIN 51221 Class 1, GB T4857-4, ISO 12048, ISO 2872, JIS Z212, and TAPPI T804

Technical Specification:

Model:	17-40-00-0001
Max. load capacity:	25 kN (2549 kg, 5620 lb)
Speed range:	0.1 to 500 mm/min
Platen size:	1000 x 1000 mm
Accuracy:	BS EN ISO 7500:1 Grade 1
Load range:	40 N to 25kN (4 kg to 2549 kg / 9 lb to 5620 lb)
Max. stroke:	1000 mm
Number of columns:	4
Electrical supply:	110, 120, 220, 240v 1ph, 50 or 60 Hz
Weight:	820 kg (1808 lbs)
Overall dimensions W x D x H:	1420 mm x 1020 mm x 2000 mm (56 in x 40 in x 79 in)

winTest™ Analysis Software

Powerful software

winTest™ Analysis universal testing software is a multi-functional and fully customizable software package that supports all industry standards including ISO, ASTM and BS EN specifications. . Additional flexibility is provided by user-defined multistage step testing for highly specialised testing requirements.

Easy to use touch screen on (AT model only)

The model AT features an on-screen control panel that allows the operator full control of all tester functions and the ability to conduct manual tests. It give easy access directly to stored test methods and many other functions.

Analyze data your way

Copy your results into Microsoft™ Word to produce your own presentation-quality test reports. Output your data in CSV format for importing into spreadsheets including Microsoft Excel and standard 'off-the-shelf' SPC packages and Laboratory Manager software. Convert your results into Microsoft™ Access database format. Additional modules are also available that will filter test data to produce long term statistical data that can be used for creating SPC charts for detailed trend analysis. Operates under Windows™ 98 SE, NT, 2000 and XP.

Enhanced graphics:

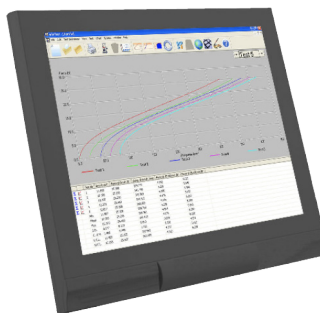
- Multiple result/graphs test sheets
- Graphs with zoom facility
- Real-time graphs
- Test results using industry standard calculations
- Gradients or critical sections of graphs with movable marker

Develop your own methods:

- User defined machine control routines
- Customized test calculations
- Auto scaling graphical displays
- Comprehensive print outs
- Interface with peripheral equipment
- Graphs with configurative axes, best fit

Additional features:

- Pre-defined industry standard test methods available
- Ability to create and store unlimited number of test methods n Comprehensive stored library of industry standards calculations
- Graphical representation of all stored calculations
- Retrospective analysis of all test calculations
- Selectable pass fail criteria for all calculations



Disclaimer

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