

TOPLOAD 1000 / 2500

Bottle and packaging testing

COM-TEN
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Topload tester for bottles

The TopLoad 1000/2500 bottle crushing systems are specially designed to provide an easy method for carrying out compression tests on bottles and small containers. The instrument can be used in the workshop or laboratory. It is fitted with a wide plate. It can apply force of 500 lb and it can be used for bottles up to a height of 16 in.

The force gauge shows force applied and the maximum compression force directly. The displacement display determines the value of

the compression movement. The control console is used to start the test, to control fast upward and downward movement and to adjust the test parameters such as the speed between 10 and 350mm / min for raising and lowering the crosshead. The speed and displacement values are continuously shown on the console display.

Available in a 200 and 500 lb capacities. The system is supplied with a Ø 2 in fixed plate.

Included :

- Test stand STENTOR II
- One force sensor

- Support plate Ø 4in
- Certificate of calibration linked to NIST
- Compression plate Ø 2 in

Models & capacities

SPECIFICATIONS	TOPLOAD 1000	TOPLOAD 2500
Capacity	200 lb	500 lb
Travel	8 in	12 in
Displacement resolution	0,01 mm	0.01 mm
Displacement accuracy	0.05 mm	0.05 mm
Maximum vertical space	16 in	20 in
Adjustable speed in mm/min	10 to 350	10 to 350
Speed resolution	1 mm/min	1 mm/min
Speed accuracy	5 %	5 %
Manual high speed	350 mm/min	350 mm/min
Mechanical stops	Yes	Yes
Software stops	Yes	Yes
Stop on force	Yes	Yes
Cycles	Yes	Yes
Worktable dimensions	8 x 12 in	8 x 12 in
Overall dimensions	32 x 13 x 20 in	36 x 13 x 20 in
Weight	90 lb	110 lb
Power	110V / 220 V	110V / 220 V

Type of tests :

- **Force at break** : Automatic calculation of the break and peak force with automatic high speed return to the start position.
- **Force at a travel** : Automatic calculation of the force when the bottle is compressed at a travel. Automatic high speed return to the start position.

Specifications

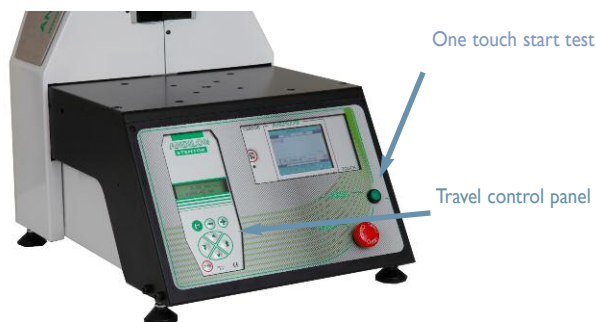
FEATURES	TOPLOAD
Accuracy	0,5 % Full scale
Resolution	1/10,000 Full scale
Sampling rate	1,000 Hz
Overload protection	200% FS
Units	N, Lb, Kg, g, Oz
Auto-off	Adjustable 5 to 15 minutes,
Bargraph	√
Peak in tension and compression	√
Display peak and current reading in the same time	√
Display of the curve force / deflection	√
Tare	√
Force limit	√
Average and standard deviation	√

FEATURES	TOPLOAD
Memory	1,000 results, 1 curve
Emergency stop	√
Automatic recognition of additional sensors	√
Available force sensors	5 lb, 10 lb, 20 lb , 50 lb , 100 lb, 200 lb , 500 lb
Manual high speed	√
Auto return	√
Automatic and manual tare	√
Automatic calculations (Break, average...)	√
Safety guard	Option
RS232 output	Current value, extrema, calculation
USB output	Current value
USB sampling rate	1000 values / second

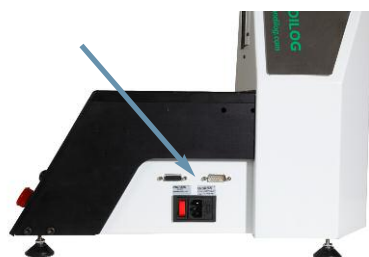
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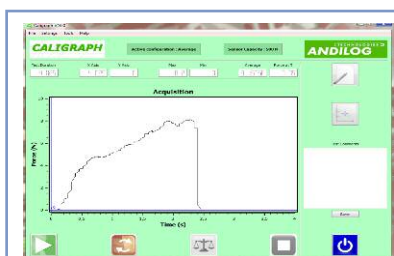
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RS232, USB and TTL outputs



Options - Softwares



Compatible Caligraph software: Software to download curves on the computer thru RS232 or USB

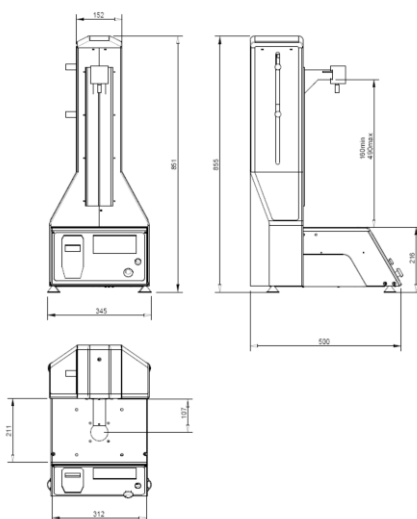
Compatible RSIC software: download your results directly to Microsoft Excel.



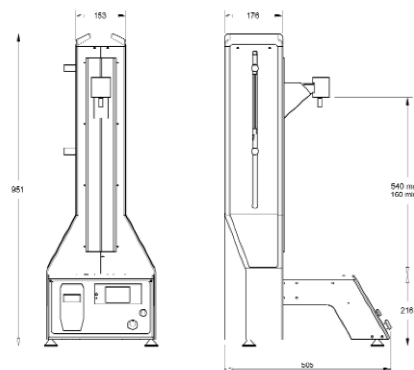
Cible Datastick: SD memory card reader to save your data directly on the card without a computer

Dimensions

TOPLOAD 1000



TOPLOAD 2500



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ISO 9001:2008
Certified

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