



STENTOR II : standalone force test stand

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All your tests from 200lb to 1000lb

STENTOR II



The test stand STENTOR II is a complete force measurement system, ready to be used. Designed with all the technology of our force gauge Centor Touch, it can perform force measurement in tension and compression up to 1000 lb.

The STENTOR II is designed to perform tests on all kind of materials in production or quality control when the speed is specified or when the speed changes the results on the force measurement.

Thanks to its big color touchscreen, the STENTOR II displays **the curve of force vs. deflection**. Its friendly-user graphics interface makes the tests easy to setup and the results easy to analyze and use.

All-in-one system, it is possible to use it as a

standalone tester without any software or computer. Nevertheless, it keeps all the features of a computerized stand : statistics, calculations, curve, memory for 1000 results,... With its outputs, it is possible to connect the STENTOR II to a computer or a programmable logic controller with USB, RS232 or TTL outputs.

The deflection, speed and stop of the test stand are setup by an integrated control panel. The test is launched with one button which tare the force and starts moving the crosshead. The STENTOR II has the following features : cycles, stop on force, mechanical stops, stop at break, automatic return...

Models and capacities

FEATURES	STENTOR II 1000	STENTOR II 2500	STENTOR II 5000
Capacity	200 lb	500 lb	1000 lb
Maximum travel	8 in	12 in	12 in
Displacement resolution	0,01 mm	0.01 mm	0.01 mm
Displacement accuracy	0.05 mm	0.05 mm	0.05 mm
Maximum vertical space	17 in	21 in	21 in
Speed in mm/min	10 to 300 mm/min	10 to 300 mm/min	10 to 300 mm/min
Speed resolution	1 mm/min	1 mm/min	1 mm/min
Speed accuracy	5 %	5 %	5 %
Manual high speed	350 mm/min	350 mm/min	350 mm/min
Mechanical stop	Yes	Yes	Yes
Software stop	Yes	Yes	Yes
Stop on force	Yes	Yes	Yes
Cycles	Yes	Yes	Yes
Working table dimensions	12 x 18 in	12 x 18 in	12 x 18 in
Overall dimensions in mm	32 x 13 x 20 in	36 x 13 x 20 in	36 x 13 x 20 in
Weight	90 lb	110 lb	110 lb
Power supply	110 V	110 V	110 V

Applications :

- Tensile and compression testing
- Spring testing
- Coefficient of friction
- Texture
- Wires and terminals testing
- Peeling test
- Foam testing
- Topload test
- Adhesion
- Flexural testing
- Insertion / extraction
- Tearing

Specifications

FEATURES	STENTOR	FONCTIONS	STENTOR
Force Accuracy	0.1 % Full scale	Memory	1000 results, 1 curve
Resolution	1/10000 Full scale	Emergency stop	✓
Sampling rate	1,000 Hz	Automatic recognition of additional sensors	✓
Overload protection	200% PE	Available force sensors	5 lb, 10 lb, 20 lb, 50 lb, 100 lb, 200 lb, 500 lb, 1000lb
Units	N, Lb, Kg, g, Oz	Manual high speed	✓
Auto-off	Adjustable 5 to 80 minuts	Auto return	✓
Bargraph	✓	Automatic and manual tare	✓
Peak in tension and compression	✓	Automatic calculations (Break, average...)	✓
Display peak and current reading in the same time	✓	Safety guard	Option
Display of the curve force / deflection	✓	RS232 output	Current value, extrema, calculation
Tare	✓	USB output	Current value
Force limit	✓	USB sampling rate	1000 values / second
Average and standard deviation	✓		

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Design and innovation to make your test easy

Mechanical stops



Protected power supply



Large threaded working table to be used with different grips and fixtures

Separate control panel to setup the displacement of the test stand

Display curve of force vs. deflection on a color touch screen



One button to start and stop the tests

USB, RS2232 and TTL outputs to connect the stand to a computer or an automaton

Range of measuring force and accuracy extended with the automatic recognition of load cells using our technology SPIP.



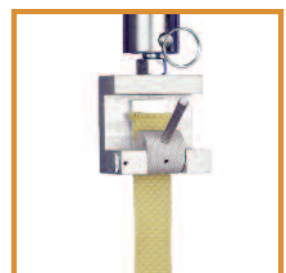
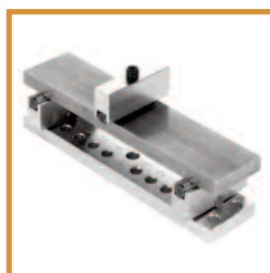
Grips and fixtures

Choose from a wide range of standard grips and fixtures. If you don't find your grips, ask for a custom designed version

The STENTOR II may be programmed to perform up to 3 different calculations.

Calculations features available:

- Break force
- First peak
- Peak force
- Average force
- Average force on a time windows
- Force at a time
- Time of a peak force
- Sleeping mean
- Stiffness
- Speed
- Level
- Force contact





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Optionnal softwares



Rsic lab

Transfer measurement data from the Com-ten's measurement device to a computer. Recorded data are on text or standard spreadsheet Excel format.

Easy storing the traceability and simple processing are keys features.



Caligraph

Perform the acquisition in real time of the curve: Force vs Time and edit your report with graph and calculations results.

Live graphic, real time calculation, analyzing data windows and report edition are the key features.



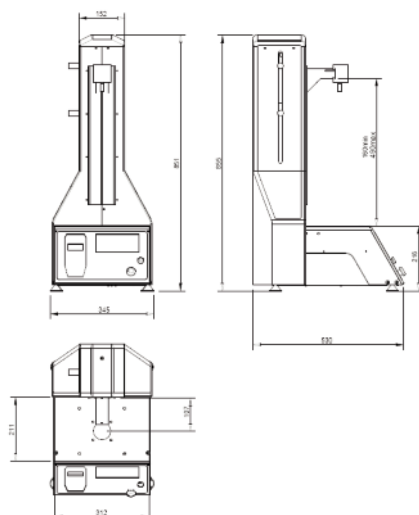
Califort

For routine to complex multi-sequences stage testing, performing rapid and repeatable test has never been easier.

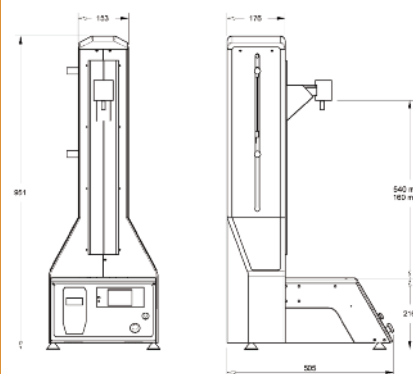
Automatic test control, test configuration, analyzing data and report edition are the key features.

Dimensions

STENTOR II 1000



STENTOR II 2500 & 5000



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ISO 9001:2008
Certified

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