



STENTOR II : Stand-alone force test stand



All your tests from 5 to 500 lb

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 500 lb.

The STENTOR II is designed to perform tests on various kinds of materials on production floors or in quality labs when the speed of the tests 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 user-friendly 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 100 results,...

The STENTOR II features outputs that make it possible to connect to a computer or an automaton 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 tares the force and starts moving the cross-head. The STENTOR II has the following features: cycles, stop on force, mechanical stops, stop at break, and automatic return.

Models and capacities

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

Available calculations :

- Maxima
- Maxima in a time window
- Time necessary to reach maximum effort
- Average over the duration of the test
- Force at time T
- Break point
- Derivative
- First peak
- Force on opening/closing of contact
- Average force

Specifications

FEATURES	STENTOR II	FEATURES	STENTOR II
Accuracy	0,5 % PE	Memory	100 results, 1 curve
Resolution	1/10000 PE	Emergency stop	✓
Sampling rate	500 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
Units	N, Lb, Kg, g, Oz	Manual high speed	✓
Auto-off	Adjustable 5 to 15 minutes,	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	500 values / second
Average and standard deviation	✓		

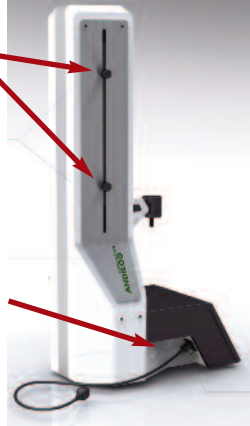
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Design and innovation to make your test easy

Mechanical stops



Protected power supply



USB, RS232 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.

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

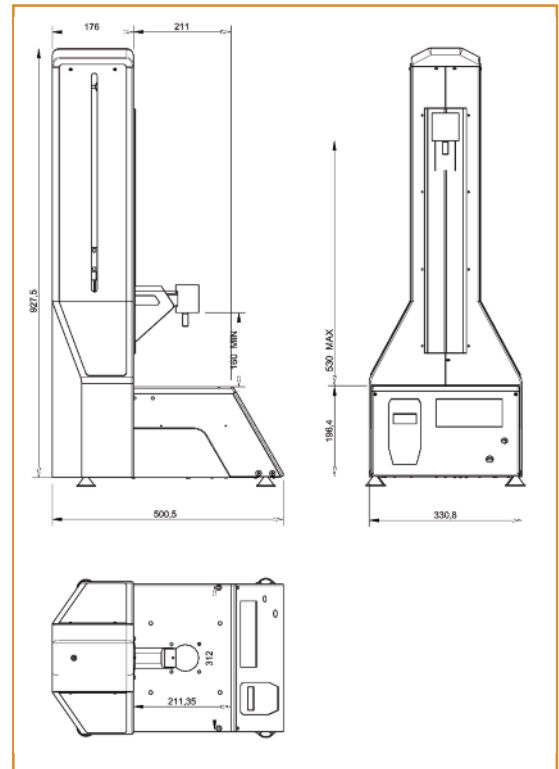
Separate control panel to setup the displacement of the test stand

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



One button to start and stop the tests

Dimensions in millimeters



Applications :

- Tensile and compression tests
- Spring testing
- Coefficient of friction
- Texture
- Wire and terminal testing
- Peeling
- Elongation at break
- Foam testing
- Topload test
- Adhesion
- Tests on switches and keyboards
- ...

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ISO 9001:2008
Certified

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