



# STENTOR II : standalone force test stand



## All your tests from 20N to 2500N

### 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 2500 N.

The STENTOR II is designed to perform tests on all kind of materials in production or quality 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 100 results,...

With its outputs, it is possible to connect the STENTOR II 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 tare the force and starts moving the crosshead. The STENTOR II has the following features : cycles, stop on force, mechanical stops, stop o break, automatic return...

### Models and capacities

FEATURES	STENTOR 1000	STENTOR 2500
Capacity	1 kN	2.5 kN
Maximum travel	200 mm	300 mm
Displacement resolution	0,01 mm	0.01 mm
Displacement accuracy	0.05 mm	0.05 mm
Maximum vertical space	430 mm	530 mm
Speed in mm/min	10 to 300	10 to 300
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	300 x 450 mm	300 x 450 mm
Overall dimensions in mm	827 x 330 x 500	927 x 330 x 500
Weight	40 kg	50 kg
Power supply	220 V	220 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	FONCTIONS	STENTOR
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	20N, 50N, 100N, 200N, 500N, 1kN, 2kN
Units	N, Lb, Kg, g, Oz	Manual high speed	√
Auto-off	Adjustable 5 to 15 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	500 values / second
Average and standard deviation	√		

# STENTOR II : Standalone force test stand

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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

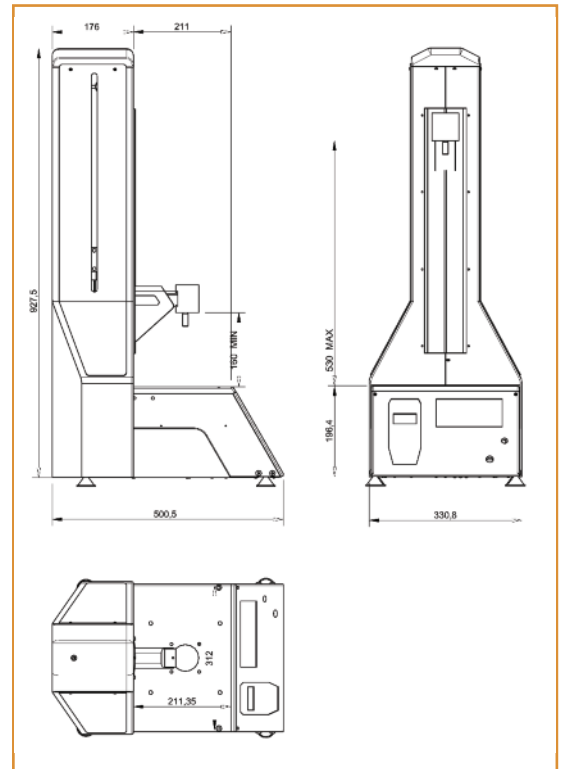
USB, RS2232 and TTL outputs to connect the stand to a computer or an automaton



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

### 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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