



# 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 on break, automatic return...

### Models and capacities

| FEATURES                 | STENTOR II 1000 | STENTOR II 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           |

### Specifications

| FEATURES  | STENTOR                     | FONCTIONS                                   | STENTOR                              |
|---|-----------------------------|---|--------------------------------------|
| Accuracy  | 0,5 % Full scale            | Memory                                      | 100 results, 1 curve                 |
| Resolution  | 1/10000 Full scale          | Emergency stop                              | ✓                                    |
| Sampling rate                                     | 1000 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 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                           | 1000 values / second                 |
| Average and standard deviation                    | ✓                           |   |                                      |

# STENTOR II : Standalone force test stand

TECHNOLOGIES  
**ANDILOG**



## Design and innovation to make your test easy

Mechanical stops



Protected power supply



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.

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

Separate control panel to setup the displacement of the test stand

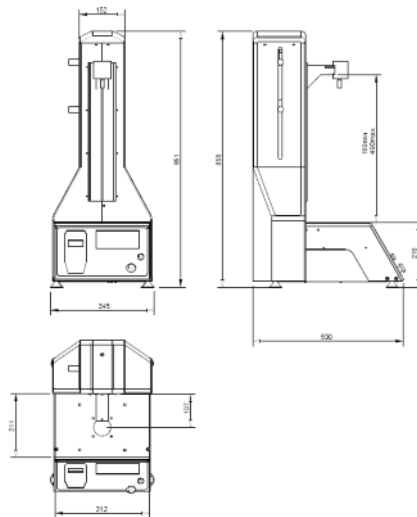
Display curve of force vs. deflection on a color touch screen



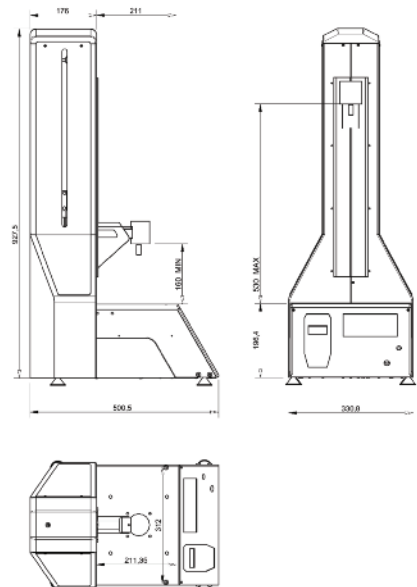
One button to start and stop the tests

## Dimensions

### STENTOR II 1000



### STENTOR II 2500



### 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
- ...

TECHNOLOGIES  
**ANDILOG**



ISO 9001:2000  
Certified

**ANDILOG Technologies**

BP 62001

13845 VITROLLES CEDEX 9 - France

info@andilog.com • www.andilog.com

Tél. : +33 820 888 202 • Fax : +33 820 888 902