ATLAS II : Force Motorized Test Stand with Table Top display

ANDILOG TECHNOLOGIES

Materials Testing up to 25kN

ATLAS II

The Motorized test stand ATLAS II is a complete material testing and ready to use system for all your force applications.

The twin column load frame combined with the technology of the CENTOR TOUCH, this bring you a robust and versatile solution for tensile & compression tests up to 25kN.

The ATLAS II has been designed to provide a durable measurement solution for routine manufacturing test and advanced laboratory test requirements.

Thanks to its user friendly color touch screen, you can plot the graph of your test, force versus deflection or force versus time,

without the need of a computer.
It includes also the statistical features, possibility to set two predetermined calculations, internal memory for 1000 results…

Never the less, the ATLAS II can be connected to a computer or a programmable controller, using its USB, RS232 and TTL Output/Input.

Compatible with the software CALIFORT, you can set multiple test sequences and save your test protocols in order to guarantee repeatability and accuracy.

Models and capacities

Advanced integrated calculations :

- Maximum on a time windows
- Time to reach force value
- Average force
- Force at time
- Break
- First Peak
- Open/Close force
- Standard deviation

SPECIFICATIONS	ATLAS II 5	ATLAS II 10	ATLAS II 25
Capacity	5 kN	10 kN	25 kN
Maximun travel	600 mm	600 mm	600 mm
Displacement resolution	0,01 mm	0,01 mm	0,01 mm
Displacement accuracy	0,05 mm	0,05 mm	0,05 mm
Maximun vertical space	350 mm	350 mm	350 mm
Speed in mm/min	10 à 200 mm/min	10 à 200 mm/min	10 à 180 mm/min
Speed resolution	1 mm/min	1 mm/min	1 mm/min
Speed accuracy	5 %	5 %	5 %
Manual high speed	200 mm/min	200 mm/min	200 mm/min
Mechanical stop	Yes	Yes	Yes
Software stop	Yes	Yes	Yes
Stop on force	Yes	Yes	Yes
Working table dimensions	500x350	500x350	500x350
Overall dimensions in mm	1197 x 768 x 553	1197 x 768 x 553	1197 x 768 x 553
Weight	400 kg	450 kg	500 kg
Power supply	220V	220V	220V

Specifications

FEATURES	ATLAS II	FEATURES	ATLAS II
Accuracy	0,1 % FS	Memory	1000 results, 1 curve
Resolution	1/10 000 FS	Emergency stop	√
Sampling rate	1000 Hz	Automatic recognition of additionnal sensors	√
Overload protection	200% FS	Available force sensors	20N, 50N, 100N, 200N, 500N, 1kN, 2kN, 5 kN, 10kN, 20kN
Units	N, Lb, Kg, g, Oz		
Auto-off	√	Manual high speed	√
Bargraph	√	Auto return	√
Peack in tension and compression	√	Automatic and manual tare	√
Display peack and current reading in the same time	√	Automatic calculations (Breack, average...)	√
Display of the curve force / Deflection	√	Safety guard	Option
Tare	√	RS232 output	Current value, extrema, calculation
Force limits	√	USB output	Current value
Average and standard deviation	√	USB sampling rate	500 values / seconde

User friendly color touch screen offering an ergonomics and easy test configuration

Examples of applications :
- Tensile and Compression tests
- Spring Tests
- Friction test
- Texture analysis
- Wire crimp test
- Peeling test
- Foam test
- Top load test
- Adhesive test

Plot the curve of your test directly on the color touch screen table top, force versus time or force versus deflection

CALIFORT optionnal programming software

Flexible and Powerful solution

Califort software is a powerful and easy to use materials testing software allowing reliables and repeatables results. For force and torque tests on all type of material, products and specimens. Califort answer to your quality controls requirement and so it is the solution for today's laboratory technicians and operators.

Califort, , an advanced test automation software ables to:
- Setup and load tests
- Live graphing and Data analysis
- Generate and Print test report
through a friendly user display allowing you to verify daily the consistency of your results..

Califort software is a suite that goes beyond the traditional data acquisition software moving it toward an ultimate test measurement solution and offers capabilities such as:
- Automatic test control: improve the accuracy and secure repeatables results
- Set-up and Save configurations: for fast, efficient and safe tests
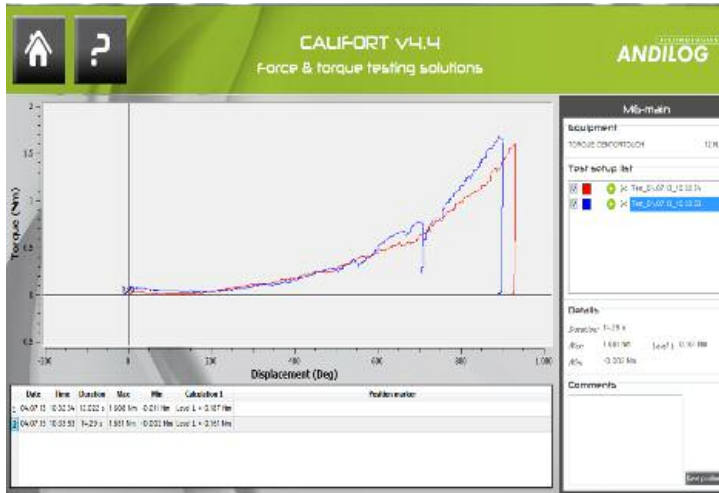- Report and Maintain detailed records of your tests

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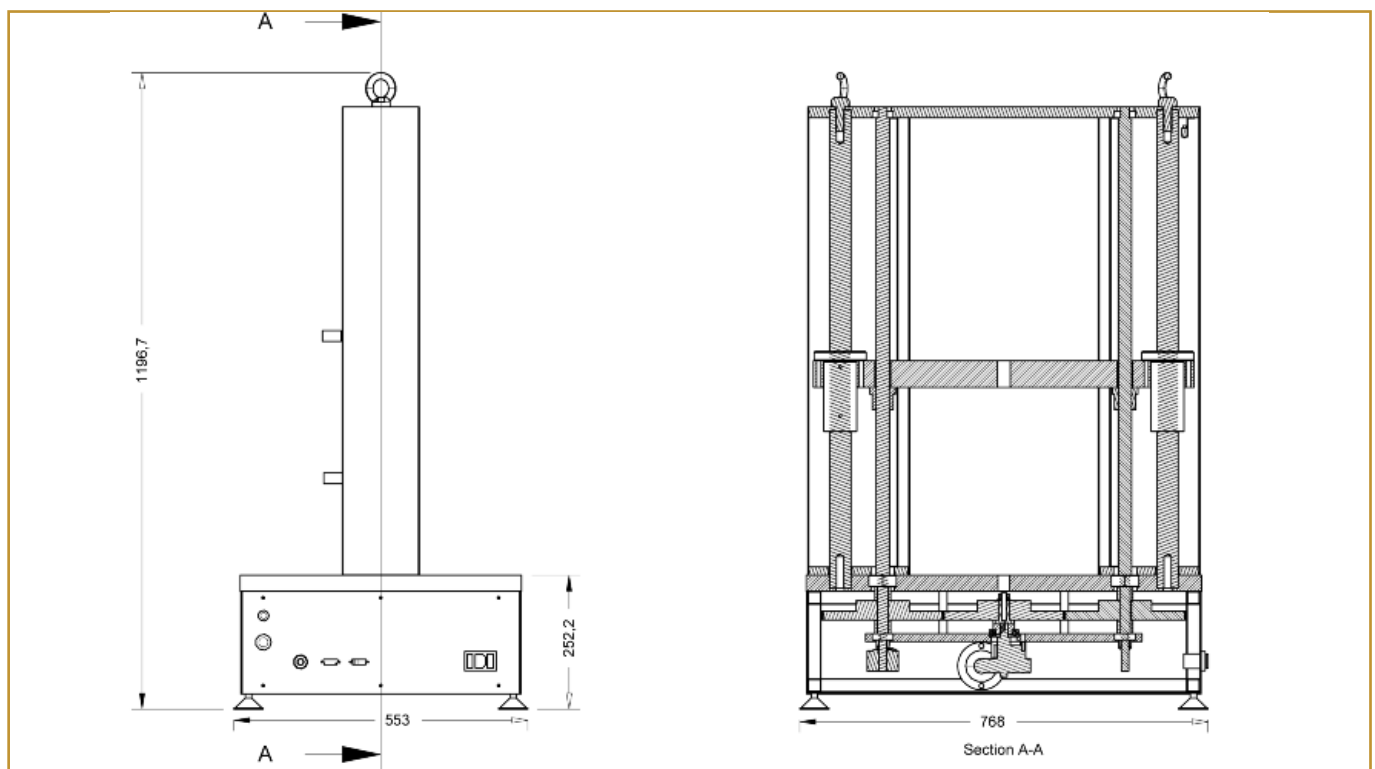
User Oriented

Califort's interface is designed to be spontaneous and simple, and it includes all the features required for your tests. The measurement screen is intuitive thanks to its icons and a simple layout. It means that operators quickly become oriented, reducing familiarization time to a minimum.

It includes all elements required for test situation:
- Auto-start your test
- Manual Control of your test stand
- Adjust the speed
- Automatic Force and Displacement tare
- Live graphing
- Cursor-drop facilities and zoom tool
- Real Time calculations and results display
- Replay the test

At the end of your test, Califort allows you to analyze your data and create automatically your report as a Microsoft Word file. Additionally results can be exported to traditional ASCII files for easy import into your own statistical software.

Dimensions

Section A-A