

CALIFORT Material testing software



Flexible and Powerful solution

Califort software is a powerful and easy to use materials testing software allowing reliable and repeatable 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 able 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 repeatable results
- Set-up and Save configurations: for fast, efficient and safe tests
- Report and Maintain detailed records of your tests



User Oriented

Machine : Atlas
Capteur X : Dépl
Capacité X : 200mm
Capteur Y : Force
Capacité Y : 500 N
Etat : Connecté

0708-03-09-10-2
ANDILOG
CALIFORT

Départ
Séquence 1
Séquence 2

Ressort Diam 25

Force	Déplacement
1 200 N	53.2 mm
Durée	Vitesse
5.3 s	240 mm/min
Min	Max
- 0.67 N	296 N
Rupture	Dépl Rupt
256 N	25.2 mm

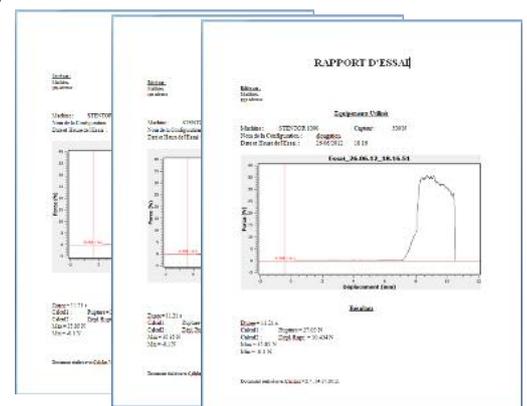
Stentor 2000	5340	750	1495	7884	6095	10%	30
Stentor 2090	5955	750	1495	8100	6955	10%	32
Atlas 5	9500	750	1495	11700	10500	7%	46
Atlas 10	13200	750	1495	15400	12900	16%	29
Atlas 20	25000	750	1495	17700	14900	16%	28
Triblettedrive	8000	0	1495	10100	900	9%	9
Flexion	6000	0	1495	8350	7000	11%	9

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.



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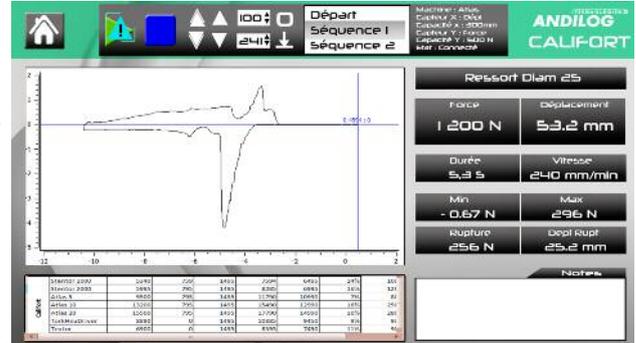


Master Test Programs

The software **Califort** has, as one of its main feature the power to use operation sequences to develop conventional test methods. The software follows a very simple operation sequence in which the user selects through windows basic parameters and so writes his test. The test is the description of a sequence of actions to be performed by your test system in order to achieve a determined result.

Up to 10 individual sequences can be setup for each test configuration, and each ones as its own stop condition and calculation (peak, min, average). Califort also calculates the peak, minimum, break and average throughout the all duration of the test.

You setup each sequence of your test separately; the setup includes: stop condition, speed, direction, and calculations. You can choose to stop the sequence at force detection, break, displacement detection or a time value. Each configuration can be saved, stored, reloaded and modified easily through the same interface; allowing you to create as many programs as you have test specimens.



Configuration Interface Example

Debug Functions

Sequenced test configurations step by step

Synthesis of the test setup in one view

Applications Examples



Break on plastic film: Automatic stop or return based on calculation and break detection. Elongation calculation and preload on sample are available.

Friction applications: Automatic calculation of first peak (Coefficient of static friction) and average load on defined time interval (coefficient of dynamic friction)

Spring Tests: Measure load at specified positions or at contrariwise measure the displacement at a specified load value, with automatic tare of the deflection. Automatic preload of the springs is available.

Peel applications: Peak and average load calculations on seal cover, in order to identify welding failure.



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Features Available

User Interface :

- Manual control command of you test stand
- Live graphing
- Real time calculations and results display
- Load test configuration
- Report
- Load and save results
- Data and curve analysis

Test configurations :

- Up to 10 individual test sequences
- 1 calculation per sequence (Peak, Min or Average)
- Peak and Minimum calculation
- 2 calculations on the total test duration (Average, break, Force at time, Force at position, elongation)
- Force Tare
- Automatic or Manual tare of the displacement
- Automatic stop on time, position, load or break
- Capability to have 2 stop conditions per sequence
- Automatic return
- Restricted levels of access: user and administrator

Compatible with the Range of Andilog systems:

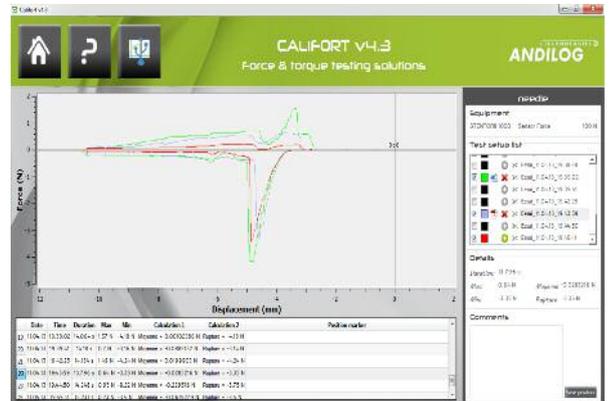
- Stentor II
- Atlas II
- TorkHeaDriver
- Drivetork

General Settings:

- Languages: English, French, Spanish
- Test stand monitoring with overload security
- Force Units: N, Kg, lb, kN, daN, g, oz
- Torque units: mNm, Nm, Kgcm, daNcm, lbin, ozin
- Displacement units: m, mm, in
- Angle units: rad, Tr, deg

Computer Requirements:

- Microsoft Windows 7 , XP or Vista
- 2 unused USB ports
- Intel Pentium (Dual Core or Single Core) Processor with 1 GHz or faster clock speed
- 1 GB RAM



ISO Certified 9001:2008

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