QUICK START GUIDE

TOP LOAD

Thank You

Thank You for purchasing an ANDILOG's product. We appreciate your business and would like to take this opportunity to thank you. Without your appreciation of our products the effort we put behind all the research and development wouldn't be nearly as gratifying.

Safety and Proper Usage

1. Place the stand on a firm, flat and level working surface to ensure accurate readings.

2. Avoid overloads and repetitive shock load, to maintain long life of the stand and its force load cell

3. Read carefully this quick-start instruction sheet and the operating manual delivered with your tester.

4. Most of the tests done with ANDILOG Technologies instruments are destructive tests. Dangers associates with this type of tests require that the users are experienced and trained.

Warranty

You are welcome to register your ANDILOG product online to activate your warranty, please complete the form available online on our website at www.andilog.com in "Services & support".

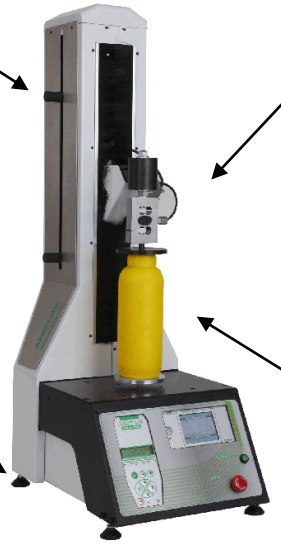
Your equipment is warranty for a one year period starting the date of shipment.

You will also have the opportunity to complete a quick customer survey where suggestions will be welcome to help us to improve our products and services.

Your Tester

Limit switch adjustment:
Adjust the Lower Limit Set Collar to your starting sample length or height.
Set the Upper Limit at a point where the compression platen, will never fully close.

Level adjustment :
Screw the four leveling feet into the base of the Tester and adjust the leveling feet to position the tester to a vertical position.



Installing the load cell:
Manually screw Load Cell onto the rod until one to two threads appear under the top of the S-Block Load Cell. Threading the S-Block Load Cell on too far can damage it. Hand tighten the jam nut against the top of the Load Cell

Platen installation:
Thread the top plate onto the Load Cell Stud.
Thread the lower plate onto the Base Mounting Stud.

DRIVEPACK – Motor Command and settings:
Allow you to control the displacement of the test stand and its settings: speed, direction, stop limits.
NOTE: IF THE MOTOR IS RUNNING, YOU CAN PRESS ANY KEY FROM THE DRIVEPACK TO STOP THE TEST STAND

CENTOR TOUCH DUAL– Measurements acquisition and settings
Display and set the measurements, the graph and calculations.

Green START:
Switch to turn ON the Centor Touch and Start test.

Emergency STOP:
To start the test stand, you must unlock this switch by rotating it clockwise.

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TOP LOAD setup

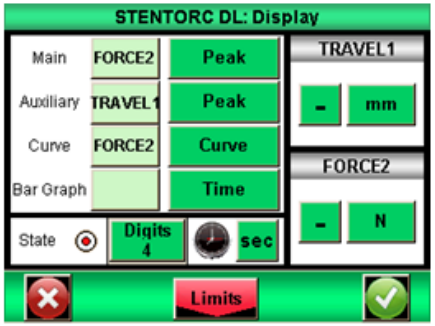
TOPLOAD test – crushing bottle – Example of test settings

In order to perform a TOPLOAD test, you must set the tester accordingly. A standard test on bottle (or other type of packaging) requires zeroing the deflection as soon as the top compression platen touches the bottle. The bottle is compressed up to a desired deflection value and the peak force is recorded. Here is a simple example to set a TOPLOAD test requesting to compress the bottle of 10mm and return automatically 5mm above the bottle

1. Set the Centor Touch

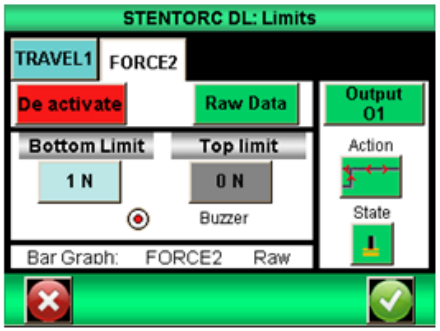
From the main measuring screen, touches the top green bar to access the main menu screen

Then select DISPLAY sub menu



Configure the measuring screen in order to display the **peak force** on the main display area and the **peak deflection** value on the auxiliary display area :

Then select LIMIT 



Touches the tab "FORCE2" from the limit screen

Set the down limit to a low value, by example 1% of the full capacity of the load cell (i.ie: 1N for a 100N load cell). The STENTOR will zero the deflection once it reaches the force value of 1N (so when it touches the bottle).

Enable the Output 1 and choose the 

action on down level  . The Centor touch will send a signal to zero the deflection from Drivepack as soon as it reaches the force limit (1N in our example).

2. Set the Drivepack command

Set the TOP stop position to STOP (to stop the test at the end)	Pos.stop ↑ Stop
Set the TOP stop position to 5.00mm (to stop the test at +5.00mm from the 0)	Pos.stop ↑ 5.00 mm
Set the DOWN stop position to inverter (to invert the travel of the tester when it reachs the limit)	Pos.stop ↓ Inverter
Set the DOWN stop position to 10mm (the tester will travel in down position -10mm)	Pos.stop ↓ 10 mm
Set the pedal to Negative start (touching the green start button from the Stentor, will start the Stentor test stand in down direction)	Pedal Start Neg
Set the Input 1 to ZERO (to tare the deflection value when receiving a signal on the Input 1)	Input 1 ZERO

3. Test protocol

- Place the bottle on the work area of the Stentor. With the manual travel command, move down the top platen until the distance from the bottle is less than 10mm (this is important as the DOWN limit has been set to 10mm, the tester shouldn't have to travel more than 10mm before reaching the bottle). Press the ZERO button 

from the Drivepack command to tare it.
- Push the Green start button 

from the Stentor
- The test protocol starts:
  - Moving down
  - Touching the bottle and at 1N zeroing the deflection values
  - Moving down for 10mm then moving up for 15mm (5mm above the zero position, the top of the bottle)
- The Measuring screen displays the peak force and peak deflection values
- Remove the bottle and place a new one

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