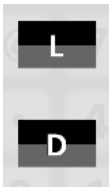
Starrett®
L2 Series Force Measurement Systems

Test Builder Symbols

TENSION	Description
Go to Home	Positions the crosshead to the HOME position. The HOME position may be established manually (Set Home) or may be done programmatically but Setting Home in the Pre Test Step.
Go to Load Limit (L)	Positions the crosshead in a tensile direction (Pull) until it achieves this load value measured by the load cell.
Go to a Distance Limit (D)	Positions the crosshead in a tensile direction (Pull) until it achieves this distance value measured by the encoder.
Go to a Break Limit	Positions the crosshead in a tensile direction (Pull) until a break is detected. A break is detected when the measured load drops by a user-specified % amount after a maximum load is achieved and after a Minimum load was measured.

COMPRESSION	Description
Go to Home	Positions the crosshead to the HOME position. The HOME position may be established manually (Set Home) or may be done programmatically but Setting Home in the Pre Test Step.
Go to Load Limit (L)	Positions the crosshead in a compressive direction (Push) until it achieves this load value measured by the load cell.
Go to a Distance Limit (D)	Positions the crosshead in a compressive direction (Push) until it achieves this distance value measured by the encoder.
Go to a Break Limit	Positions the crosshead in a compressive direction (Push) until a break is detected. A break is detected when the measured load drops by a user-specified % amount after a maximum load is achieved and after a Minimum load was measured.

CYCLIC	Description
Cycle for a Count	Cycles the test between a range of Steps (first specified step and Last specified step) for a specified number of cycles, e.g. repeat Steps 2 thru 4 ten (10) times. At the end of the cycle count report the result(s). A Cycle Count has only one test run associated with it.
Cycle for Time Duration	Cycles the test between a range of Steps (first specified step and Last specified step) for a specified time duration, e.g. repeat Steps 2 thru 4 for 60 seconds. At the end of the cycle duration report the result(s). A Cycle Duration has only one test run associated with it.
Loop Steps	Cycles the test between a range of Steps (first specified step and Last specified step) for a specified count or time duration, e.g. repeat Steps 2 thru 4 ten (10) times for 60 seconds. At the end of the cycle count or duration report the result(s). A Loop reports a test run (with results) for each cycle. So if the Loop is for ten (10) cycles, you will have ten test runs and ten sets of results for each cycle.



HOLD	Description
Hold Load (L)	Holds the measured load from the previous step for a specified period of time.
Hold Distance (D)	Holds the measured distance from the previous step for a specified period of time.

DATUM	Description
Set a Datum	Creates a datum within your test setup. The Datum step may be used to zero the Load or Distance within your test. Normally, a Datum step is the first step after your Pre Test.

PROMPTS	Description
Ask Prompt	An Ask step may be added anywhere in your test setup. An Ask step will display a message and the user is required to provide a response before the step concludes. An Ask step requires the user to respond.
Tell Prompt	A Tell step may be added anywhere in your test setup. A Tell step will display a message/prompt for the user for a specified period of time. A Tell step can serve as a reminder to perform a function.

Test Editing Symbols

EDITING	Description
New Test Setup	Select to create a New Test setup. A test setup may be created using templates or using the Test Builder. Template test setups are Load Test, Distance Test, and Break Test.
Edit a Test Setup	Select to Edit the specified test setup. The user must have security privileges to edit a test setup. Edit privileges lets the user change the sequence of test steps (add, delete, move) and the ability to change a step's individual attributes, e.g. limit, speed, exceptions, and whether or not to collect data.
Copy a Test Setup	Select to Copy the specified test setup. A new test is created using the test setup steps and the steps' attributes. The user must have security privileges to copy a test setup.
Rename a Test Setup	Select to Rename a specified test setup. The user must have security privileges to rename a test setup.
Delete a Test Setup	Select to permanently Delete a specified test setup. The user must have security privileges to delete a test setup.
Convert to Test Builder	When a test setup is created using a Template, the user may convert the template test into the Test Builder application. The Test Builder will provide the user with more flexibility to add steps to their test setup.

Display View Symbols

VIEW RESULTS	Description
Results View	Choose to display your results (coefficients) in the main Controller window.
Graph View	Choose to display your graph in the main Controller window. The graph is a depiction of the test run. Select and Hold this symbol to change the graph format between Load v Distance and Load v Time.
Data Table View	Choose to display your results (coefficients) in the main Controller window. as a table. Coefficients and numerical results are organized and displayed in a spreadsheet format.
Statistics View	Choose to display the following statistics for the coefficients specified for your test run: Mean, Maximum, Minimum, Range, Standard Deviation, Six Sigma.
Normal Mode	Choose to setup your system in Normal mode (Load x Distance). When in Normal mode, the crosshead position indicator is displayed as D.
Height Mode	Choose to setup your system in Height mode (Load x Height). Height mode requires the user specifies a datum using the automatic datuming procedure. Test setups that will use Height mode, must have the system in Height mode BEFORE they create the test setup. When in Height mode, the crosshead position indicator is displayed as H.