



■ COMPRESSION TESTER (B-001/ LCD) ASTM C39 • EN 12390:4

- Used to test the compression strength of concrete cubes/ cylinders of different sizes.
- The rigid design provides stability and strength for a better using experience.
- Equipped with an LCD unit that displays the data graphically of each test with the ability to save and recall the results of the tested specimens.
- The Data Acquisition Control provides real-time graphical indication.
- Automatically determines the load rate in accordance with the international standards upon sample type.
- With the AUTO-STOP function, the test will automatically stop.
- Fully automatic mode or manual mode in which the user gets the ability to adjust the load rate and period manually are available.
- The upper seating adjusts itself to apply homogeneous loading on the sample.
- Supplied complete with spacer discs.

Code	B-001/ LCD/ 1	B-001/ LCD/ 2	B-001/ LCD/ 3
Capacity	1,125 kN 250,000 lb	2,000 kN 450,000 lb	3000 kN 650,000 lb

● COMPONENTS

Rexroth
Bosch Group

OMRON

HAWES
HYDRAULIK

YASKAWA



■ COMPRESSION TESTER (B-001/ LCD) ASTM C39 • EN 12390:4

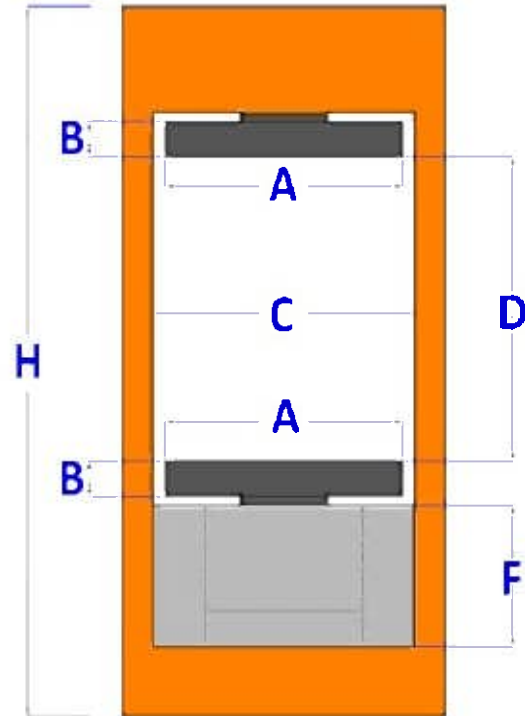
● TECHNICAL SPECIFICATIONS

- Fully Automatic.
- Graphical - LCD Data Acquisition Control System.
- Automatic Load Rate upon Sample Type.
- Stops Automatically, when Test is completed.
- Real time graph indication.
- Total Load and also Per Area are given.
- Test results can be transferred to computer to be printed or from the thermal printer.
- Different units are available (kN / kgf / lbf).
- Calibration done easily on 5 pts.
- Manual Control is available.
- If weight of sample entered, Unit Weight is determined.
- Rigid Frame.
- Upper and Lower Platens in accordance with International Specifications.
- Upper Seating for Homogeneous Loading.
- Distance Pieces included.
- Power Supply: 220 - 240 V / 50 - 60 Hz (110 V / 60 Hz is also available)
- Computer and printer are not included in the price



COMPRESSION TESTER (B-001/ LCD) ASTM C39 • EN 12390:4

	B-001/ LCD/ 2	B-001/ LCD/ 3
Capacity	2000 kN	3000 kN
Frame	Welded, Rigid mono-block frame	Welded, Rigid mono-block frame
Upper Platen Dimension (A)	Ø 300 mm	Ø 300 mm
Lower Platen Dimension (A)	Ø 300 mm	Ø 300 mm
Piston Stroke	50 mm	50 mm
(B)	50 mm	50 mm
Horizontal Clearance (C)	330 mm	440 mm
Maximum Vertical Clearance (D)	345 mm	345 mm
(F)	185 mm	185 mm
Height (H)	890 mm	940 mm



SAMPLE SIZES

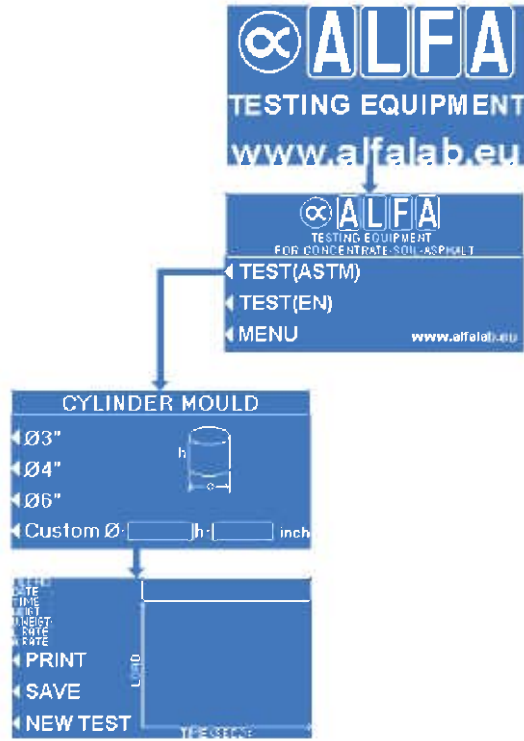
- Cubes with side length of 100 mm, 150 mm, 200 mm or any other custom cube/ prism size can be tested with the machine.
- Cylinders with diameter of 150 mm, 160 mm and height of 300 mm, 320 mm relatively or any other custom diameter and height can be tested with the machine.

NAVIGATING THROUGH THE LCD CONTROL UNIT

- Using the LCD control unit, to perform tests, to calibrate and to adjust the settings of the machine provides an easy and user-friendly experience.



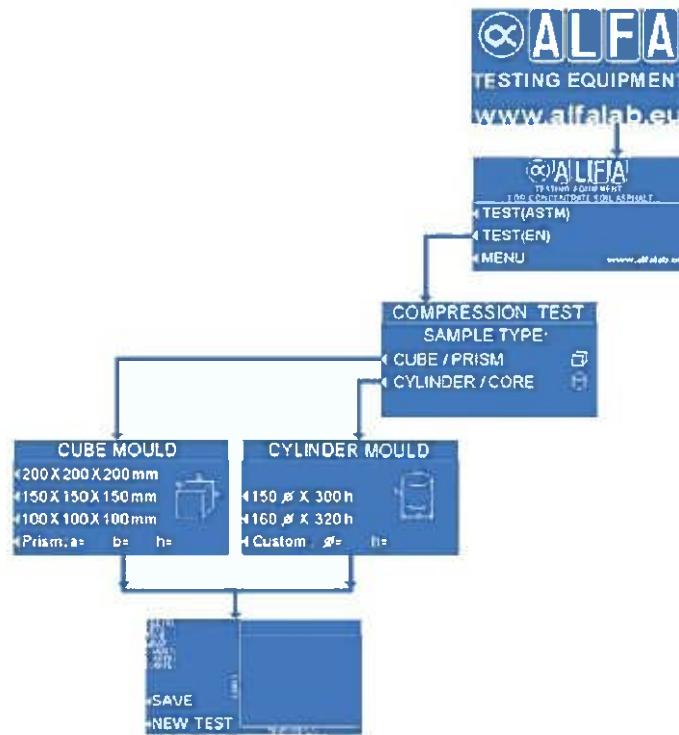
■ COMPRESSION TESTER (B-001/ LCD)
ASTM C39 • EN 12390:4



● PERFORMING THE TEST ACCORDING TO ASTM STANDARDS

- Simply navigate through the LCD control panel by selecting "TEST (ASTM)" from the main screen.
- Choose the diameter of the cylinder (in inches) or specify the custom dimensions of your sample.
- Choose the mode from the main screen by selecting either AUTOMATIC or MANUAL.
- Press "Start" to begin the test.

■ COMPRESSION TESTER (B-001/ LCD)
 ASTM C39 • EN 12390:4



● PERFORMING THE TEST ACCORDING TO EN STANDARDS

- Simply navigate through the LCD control panel by selecting "TEST (EN)" from the main screen.
- Choose the sample size (in millimeters) or specify the custom dimensions of your sample.
- Choose the mode from the main screen by selecting either AUTOMATIC or MANUAL.
- Press "Start" to begin the test.

COMPRESSION TESTER (B-001/ LCD)
ASTM C39 • EN 12390:4

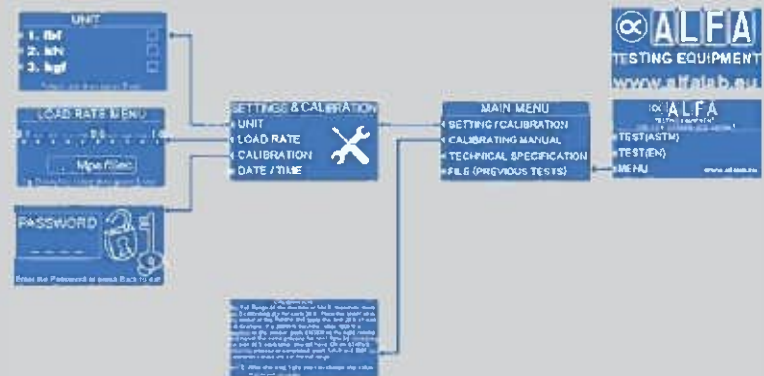


THE DESIGN

- The rigid frame provides stability and firmness to the machine. Choosing the best components to build-up the machine gives the machine more strength and longer working-age.

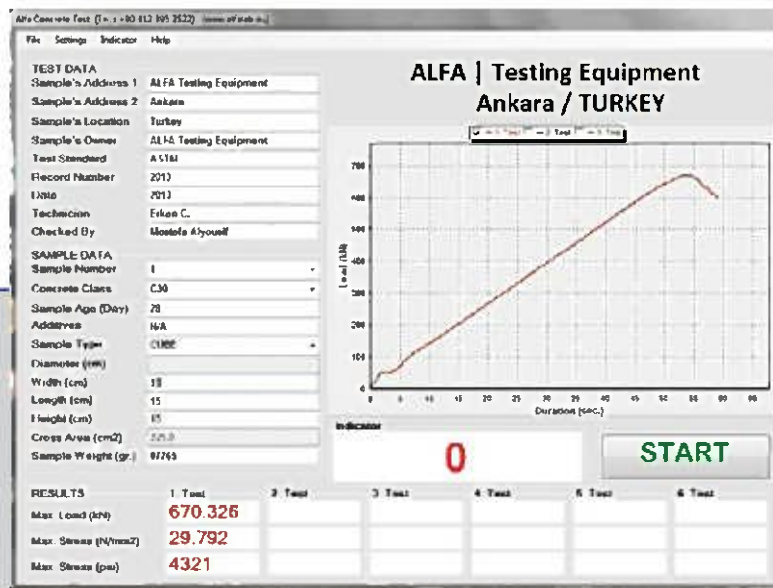
CALIBRATING THE MACHINE

- Calibration can be easily done in 1 or 2 or ...5 points
- To view the Calibration Procedure, kindly navigate through the menu [MENU > CALIBRATION MANUAL]



COMPRESSION TESTER (B-001/ LCD) ASTM C39 • EN 12390:4

- The tests and calibration can be done and monitored with a computer by connecting it to the machine. Using the state-of-the-art software provided by ALFA with the machine will help performing and managing the tests in a very easy and fast way.
- By performing the tests via computer, the results can be saved and recalled when required. Reports can be generated automatically by the software and sent to printer.



FLEXURE APPARATUS for CONCRETE BEAMS (B-003/ BFA)

- Used to perform flexural tests on concrete beams.



TECHNICAL SPECIFICATIONS

- Made of galvanized steel
- Can perform 3-points or 4-points flexural tests on the following concrete beam samples:
 - 100 x 100 x 400 mm
 - 100 x 100 x 500 mm
 - 150 x 150 x 600 mm
 - 150 x 150 x 750 mm