

AUTOMATIC COMPRESSION TEST MACHINE

Autocon 2000 Digital Console

The automatic console provide control for the main Compression Frame and the optional Flexural frame. The LCD display has a Auto cut off system which provide longer life spend for the LCD display. All parameters such as pace rate, sample size, time, date, etc. are entered by using the touch sensitive key pad and function key. The calibration and engineering data are protected by passcode and test result can be viewed and stored up to 200 numbers test which can be connected to optional printer or P.C by using RS 232 cable. LCD can be enlarged 4 times larger for better clear view.

The Autocon 2000 is displayed in kN or lbf and the associated in mm or inch unit. The measuring system and hydraulic pump are control by microprocessor and keypad data entry. The auto rapid approach system is provided in the test and load control is based on Servo motor which is more accurate and reliable control of loading rate to the specimen.

The automatic console microprocessor system is provided in the Fully automatic control system for all the Unit Test Machine on **1500kN, 2000kN, 3000kN and 4000kN and 5000kN capacity.**

Fully Automatic Autocon 2000 Digital Specification

- 5 stage fine time test
- 3 channel digital readout
 1. Compression mode
 - a) Low range 0-400 x 0.1kN
 - b) High range 400-2000, 3000 x 1kN
High range 400-4000, 5000 x 1kN
 2. Flexural mode
 - a) Flexural range 0-100 x 0.01kN or 0-250kN x 0.01kN
- Displays calculated density (kg/m)
- Large graphics LCD Display Screen, size: 100mm x 150mm in kN units
- Calibrated through keypads (password protected)
- Pace rate setting facility from 0.1 to 15.0kN per second for compression and 0.01 to 15.0kN per second for flexural.
- Digital pace rate indicator for manual control
- Real time clock and calender
- Specimen test number with automatic increment
- Automated close control of the selected pace rate
- Port for hook - up to computer and printer



- RS 232 serial port included
- In kN mode reading, 0.1kN increment up to 400kN then 1kN increment up to 2000kN, 3000kN, or 4000kN, 5000kN
- Screen display failure load (kN) and stress(Mpa) In engineering units, test number, pace rate (kN/S), Specimen size (mm), date and time
- Automatic closure daylight, zeroing and taring during pretest platen movement
- Complete test can be carried out from the push of a button
- Manual over-ride for operator control
- Test result can be v iewed, stored up to 200 test before requiring down loading to computer
- Print out result
- Selection of sample type and size
- Metric (kN) and Imperial (lbs) selection
- Auto release when sample failure
- Power: 240V, 50Hz, 1ph

GENERAL SPECIFICATION

Model:	ADS 150EL	ADS 200EL	ADS 300EL	ADS 400EL	ADS 500EL
Capacity (kN):	1500	2000	3000	4000	5000
Low Sensitivity Range (kN):	0-400 x 0.1	0-400 x 0.1	0-400 x 0.1	0-400 x 0.1	0-600 x 0.1
High Sensitivity Range (kN):	0-1500 x 1	0-2000 x 1	0-3000 x 1	0-4000 x 1	0-5000 x 1
Flexural Range (Optional Frame):	0-100 x 0.01 or 0-250 X 0.01				
Max Ver. Clearance (mm):	320				
Max Horizontal Clearance (mm):	280	310	360	390	430
Ram Travel (mm):	50				
Approx Weight (kg):	700	1100	1950	2500	3400
Overall Dimension with console (mm):	1400 x 600 x 1300(H)	1400 x 600 x 1300(H)	1600 x 600 x 1400(H)	1700 x 650 x 1600(H)	1800 x 700 x 1700(H)
Power:	240V 50Hz 1ph				

* UTS reserve the right to improve or update its equipment without prior notice.