ASTM SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR BLOCKS

Product Code

UTC-4706.SLP	1100 kN (245000 lbf) Semi-Automatic Compression Testing Machines for Blocks, ASTM
UTC-4716.SLP	1500 kN (335000 lbf) Semi-Automatic Compression Testing Machines for Blocks, ASTM
UTC-4726.SLP	2000 kN (450000 lbf) Semi-Automatic Compression Testing Machines for Blocks, ASTM,
UTC-4736.SLP	3000 kN (670000 lbf) Semi-Automatic Compression Testing Machines for Blocks, ASTM,
UTC-0210	High Precision Pressure Transducer and Electronic
UTC-4680	Pedestal for 600 kN (135000 lbf) ve 1100 kN (245000 lbf) Compression Testing Frames
UTC-4682	Pedestal for 1500 kN (335000 lbf), 2000 kN (450000 lbf) and 3000 kN (670000 lbf) Compression Testing Frames

Models for 220-240V 50-60 Hz, 1 ph.			
UTC-4706	UTC-4716	UTC-4726	UTC-4736

Models for 110-120V 60 Hz, 1 ph.			
UTC-4706-N	UTC-4716-N	UTC-4726-N	UTC-4736-N

UTC - 4726.SLP

Standards

ASTM C140, C1314

UTC-4716.SLP, UTC-4726.SLP and UTC-4736.SLP Semi-Automatic Compression Testing Machines for compression testing of blocks are manufactured acc. to ASTM standards.

These machines also meet the requirements of CE norms with respect to the health and safety of the operator. And their user-friendly design enable an inexperienced operator to perform the test.

The Machines consist of a welded frame (see below table), hydraulic power pack (UTC-4820) with LPI battery operated digital readout unit (UTC-4920LP).

UTC-4680 or UTC-4682 Pedestal for the frames of the machines should be ordered separately.

Main Features

- Class A starting from with the 5% of the machine capacity, (Special calibration option starting from 1% of the full range with UTC-0210)
- 1 channel with two different calibration table, test parameters and specimen information (by changing the sensor belong to other frame, the unit can be control for second test frame)
- Multi-point calibration
- Real time numeric display of load and load pressure
- Peak hold property
- Welded steel walled frame with lower and upper (shperically-seated) loading platens
- Load measurment with a pressure transducer
- Hydrolic pump with dual stage for rapid approach
- RS232 Serial port for PC or thermal or dot matrix printer
- Free of charge Utest software for compression/flexture testing machines(USOFT-4820.SLP) for compression, flexture, splitting tensile strength tests of construction materials such as concrete, cement, brick/masonary unitsmaterials such as concrete, cement, brick/masonary units

Safety Features

- Maximum pressure valves to avoid machine overloading
- Limit switch for piston stroke
- Removable transparent front and rear safety doors

USOFT-4820.SLP Test Software is improved for semi-automatic concrete compression and flexural testing machines with LPI Battery Operated Digital Readout Unit durring the test to collect and record data and to prepare the report containing the results obtained.Before the test, a PC which the Utest software is installed is connected to RS232 port of LPI reading unit, the data obtained in the test can be monitored and recorded in real time. The advanced functions for data base management provide an easy navigation of all saved data. Test report including the test results and user defined test information (names and the Company details, test type, specimen type, user info and other knowledge required) can be print out.

ASTM SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR BLOCKS

Models	UTC-4706.SLP	UTC-4716.SLP	UTC-4726.SLP	UTC-4736.SLP
Capacity	1100 kN (245000 lbf)	1500 kN (335000 lbf)	2000 kN (450000 lbf)	3000 kN (670000 lbf)
Frame Type	Welded Steel	Welded Steel	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")	310x410x90mm (12.2"x16.1"x3.5")
Surface Hardness of Bearing Blocks	60 HRC	60 HRC	60 HRC	60 HRC
Flatness Tolerance	0,025 mm/150 mm (0,001"/6")	0,025 mm/150 mm (0,001"/6")	0,025 mm/150 mm (0,001"/6")	0,025 mm/150 mm (0,001"/6")
Piston Diameter	230 mm (9,06")	230 mm (9,06")	250 mm (9,84")	250 mm (9,84")
Piston Stroke	50 mm (1,97")	50 mm (1,97")	50 mm (1,97")	50 mm (1,97")
Maximum Vertical Clearance Between Bearing Blocks (E)	250 mm (9,84")	250 mm (9,84")	250 mm (9,84")	250 mm (9,84")
Horizontal Clearance (B)	320 (12,6")	320 (12,6")	360mm(14,17")	415 mm (16,34")
Power	550 W	550 W	550 W	550 W
Oil Capacity	20 L	20 L	20 L	20 L
Maximum Working Pressureor	390 Bar	370 Bar	410 Bar	410 Bar
Dimensions (wxlxh) (Axd*xF)	680x451x1104 mm (26,77"x17,76"x43,86")	680x451x1104 mm (26,77"x17,76"x43,86")	720x453x1144 mm (16,54"x17,83"x45,04")	775x497x1204 mm (18,7"x19,57"x47,4")
Weight	793 kg (1750 lbs)	793 kg (1750 lbs)	880 kg (1940 lbs)	1102 kg (2430 lbs)
Pedestal (Optional)	UTC-4680	UTC-4682	UTC-4682	UTC-4682

(d*) Depth
(**) Limited by capacity of the frame

The machines for block are supplied complete with;

- Ø100 mm (3,93"), 50 mm (1,97"), 2 pcs. 30 mm (1,2"), 15 mm (0,59") height x Ø165 mm (Ø6,5") distance pieces
- Lifting Device for Lower Bearing Platen (UTC-4629)
- Removable transparent front and rear safety doors

UTC - 4726.SLP - 2000 kN (450000 lbf) Semi-Automatic Compression Testing Machines for Blocks and Pedestal