

GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR CUBES AND CYLINDERS

Product Code

UTC-4713G.SLP	1500 kN Capacity General Purpose Semi-Automatic Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
UTC-4723G.SLP	2000 kN Capacity General Purpose Semi-Automatic Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
UTC-4733G.SLP	3000 kN Capacity General Purpose Semi-Automatic Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
UTC-4727G.SLP	2000 kN Capacity General Purpose Semi-Automatic Compression Testing Frame with $\varnothing 300$ mm Loading Platens for Cubes and Cylinders
UTC-4737G.SLP	3000 kN Capacity General Purpose Semi-Automatic Compression Testing Frame with $\varnothing 300$ mm Loading Platens for Cubes and Cylinders
UTC-0210	High Precision Pressure Transducer and Electronic
UTC-4682	Pedestal for 1500 kN, 2000 kN and 3000 kN Compression Testing Frames with Welded Walls



UTC - 4713G.SLP

Product Code

ASTM C39; AASHTO T22

Models for 220-240V 50-60 Hz, 1 ph.	UTC-4713.SLP	UTC-4723.SLP	UTC-4733.SLP	UTC-4727.SLP	UTC-4737.SLP
Models for 110-120V 60 Hz, 1 ph.	UTC-4713.SLP-N	UTC-4723.SLP-N	UTC-4733.SLP-N	UTC-4727.SLP-N	UTC-4737.SLP-N

UTC-4713G.SLP, UTC-4723G.SLP, UTC-4733G.SLP, UTC-4727G.SLP and UTC-4737G.SLP model Semi-Automatic Compression Testing Machines are manufactured for compression testing of cubes and cylinders by taking into account user requests for general purposes. 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.

UTC-4727G.SLP ve UTC-4737G.SLP model products are designed for compressive-strength testing of larger size specimens.

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

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

- Welded steel walled frame with lower and upper (spherically-seated) loading platens
- Load measurement with a pressure transducer
- Hydraulic 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/flexure testing machines (USOFT-4820.SLP) for compression, flexure, splitting tensile strength tests of construction materials such as concrete, cement, brick/masonry 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 during 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.

Main Features

- Load Accuracy Class 1 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

GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES WITH Ø216 mm FOR CUBES AND CYLINDERS

	UTC-4713G.SLP	UTC-4723G.SLP	UTC-4733G.SLP
	1500 kN	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel	Welded Steel
Models			
Bearing Platens Dimensions (D)	Ø 216 mm (8.5")	Ø 216 mm (8.5")	Ø 216 mm (8.5")
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	Ø 216 mm (8.5")	Ø 216 mm (8.5")	Ø 216 mm (8.5")
Surface Hardness of Bearing Blocks	55 HRC	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm	0,05 mm
Piston Diameter	230 mm	250 mm	300 mm
Piston Stroke	50 mm	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	380 mm	380 mm	380 mm
Horizontal Clearance (B)	320 mm	360 mm	415 mm
Cylinders (Up to) Sizes for Specimens	Ø160x320 mm Ø150x300 mm (Ø6"x12")	Ø160x320 mm Ø150x300 mm (Ø6"x12")	Ø160x320 mm Ø150x300 mm (Ø6"x12")
Cubes (Up to) Sizes for Specimens	150 mm	200 mm (**)	200 mm (**)
Dimensions (w×l×h) (A×d×x×F)	680x451x1104 mm	720x453x1144 mm	775x497x1204 mm
Weight	610 kg	700 kg	920 kg
Pedestal (Optional)	UTC-4680	UTC-4682	UTC-4682

(d*) Depth

(**) Limited by capacity of the frame

The machines are supplied complete with;

- 100 mm, 50 mm and 2 pcs. 30 mm x Ø165mm distance pieces
- Removable transparent front and rear safety doors



UTC - 4723G.SLP



UTC - 4733G.SLP

GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES WITH Ø300mm LOADING PLATENS FOR CUBES AND CYLINDERS

Models	UTC-4727G.SLP	UTC-4737G.SLP
Capacity	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	Ø 300 mm	Ø 300 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	Ø 300 mm	Ø 300 mm
Surface Hardness of Bearing Blocks	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm
Piston Diameter	250 mm	310 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	350 mm	350 mm
Horizontal Clearance (B)	360 mm	415 mm
Sizes for Specimens Cylinders (Up to)	Ø 160x320 mm	Ø 160x320 mm
Sizes for Specimens Cylinders (Up to)	Ø 200 mm (**)	Ø 200 mm (**)
Dimensions (w x l x h) (A x d x F)	720x453x1144 mm	775x497x1204 mm
Weight	735 kg	960 kg
Pedestal (Optional)	UTC-4682	UTC-4682

(d*) Depth

(**) Limited by capacity of the frame

The machines are supplied complete with;

- 100 mm, 50 mm and 30 mm x Ø205mm distance pieces
- Removable transparent front and rear safety doors



UTC - 4727G.SLP



UTC - 4737G.SLP