



EN 772-1 and GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR MASONARY UNITS/BLOCKS, CYLINDERS AND CUBES

Product Code

UTC-4609EG.SLP	600 kN EN 772-1 and General Purpose Semi-Automatic Compression Testing Machines for Masonary Units/ Blocks, Cylinders And Cubes
UTC-4709EG.SLP	1100 kN EN 772-1 and General Purpose Semi-Automatic Compression Testing Machines for Masonary Units/ Blocks, Cylinders And Cubes
UTC-0210	High Precision Pressure Transducer and Electronic
UTC-4682	Pedestal for 1500 kN, 2000kN and 3000 kN
UTC-4680	Compression Testing Frames with Welded Walls
	Pedestal for 600 kN (135000 lbf), 1100 kN (245000 lbf) and 1500 kN (335000 lbf) Compression Testing Frames

Product Code

EN 772-1

Models for 220-240V 50-60 Hz, 1 ph.

UTC-4714GE.SLP	UTC-4729GE.SLP	UTC-4739GE.SLP
----------------	----------------	----------------

Models for 110-120V 60 Hz, 1 ph.

UTC-4714GE.SLP-N	UTC-4729GE.SLP-N	UTC-4739GE.SLP-N
------------------	------------------	------------------



UTC - 4709EG.SLP

UTC-4609EG.SLP and UTC-4709EG.SLP models Semi-Automatic Compression Testing Machines are manufactured for compression testing of masonry units/blocks, cylinders and cubes.

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

UTC-4680 Pedestal that is made of steel to facilitate the user's placement of specimens in the frame for compression test should be ordered separately.

Safety Features

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

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
- Peak hold property
- 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

EN 772-1 and GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR MASONARY UNITS/BLOCKS, CYLINDERS AND CUBES

Models	UTC-4609EG.SLP	UTC-4709EG.SLP
Capacity	600 kN	1100 kN
Frame Type	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	310x510x50 mm	310x510x50 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	310x510x50 mm	310x510x50 mm
Surface Hardness of Bearing Blocks	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm
Piston Diameter	230 mm	230 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	330 mm	330 mm
Horizontal Clearance (B)	320 mm	320 mm
For Cylinder (up to) Specimens Sizes	up to 300x500 mm masonry units/blocks	
	up to Ø160x320 mm cylinders	
	200 mm cubes	
Power	550 W	550 W
Oil Capacity	20 L	20 L
Maximum Working Pressure	150 Bar	150 Bar
Dimensions (wxl xh) (Axd xF)	680x550x750mm	680x550x750mm
Weight	690 kg	690 kg
Pedestal (UTC-4682)	UTC-4680	UTC-4680

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

The machines are supplied complete with;

- 100 mm, 50 mm, 30 mm height x Ø205 mm distance pieces
- Scissor Jack for Loading Platens/Bearing Blocks, (UTC-4629)
- Removable transparent front and rear safety doors

