

SCT series Servo control Concrete Pipe Compression Testing Machine**Brief Introduction**

This testing machine consists of load frame, oil source, computer and servo unit. The structure is compact and it is very easy to operate.

The cement pipe compression testing machine is designed for the radial compression test of drainpipe and other cement pipes which accord with "Test method of concrete and ferroconcrete drainpipe", concrete and ferroconcrete drainpipe". It is also suitable for the compression test of other metal and non-metal material.

Load frame:

The load frame is with dual columns with top actuator. The base of the load frame is made of steel plate and it is convenient to take in and off the specimen(drainpipe and other concrete pipe). The servo valve is Bosch or Atos.

Main specification:

1	Max. load	500kN	600kN	700kN
2	Measuring range	10kN-500kN	12kN~600kN	14kN-700kN
3	Load measuring method	Load cell		
4	Precision grade	±1%		
5	Safety Protection	Automatic stop when overload 3%~5% of the full measuring range.		
6	Test space(with compression platens)	2000mm		
7	Dimensions of upper rubber support	2000×120×30mm , Shore hardness is 45-60		
8	Lower platen size	2000x(130-300)x150mm		
9	Compression platens for concrete	Dia. 230mm		
10	Max travel of piston	200mm		
11	Space between two columns	2200mm		
12	Max. load speed	≥50mm/min		
13	Control & Load method	Automatic servo control, hydraulic load.		
14	Load and deformation measuring	by computer, the stiffness modulus can be measured		

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15	Dimensions(load frame)	2770x800x4300mm
16	Power	3 phases, 380V, 50Hz
17	Weight	Approx. 4500kg



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