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Eco Servo Smart Compression Testing Machine ZI-2054-ESS

Standards:

Specification:

Smart Series

Capacity: 1000kN / 2000kN / 3000kN

An advanced servo compression testing machine developed by Zeal International is a robust compression tester manufactured as per International Standards. Equipped with touch screen display, this machine is easy to use and maintained.



The load frame is a sturdy welded plate type complete with hydraulic power pack attached to it. Solid machined spacers are supplied to test different sizes of concrete specimen. The piston is duly hard chromed for fast lift and return.

Features:

- 7" LCD touch screen
- 10 point calibration facility with auto/manual pace rate regulator
- On board printing facility
- Overload cut off facility
- Piston over lift cut off facility
- Compact & sturdy design load frame to be base mount
- Pump clamped to frame
- Matt finished PU paint in dark color

- Safety lockable door
- Platen hardness 55HRC grinded to the finish of 0.02 mm
- Automatic pace rate control from 0.5kN/sec to 20kN/sec
- Real time graph for Load vs Time
- Emergency stop push button
- Safety for over lift of jack with limit switch cut of facility
- USB pen drive port for data saving
- Solid CNC finish distance piece
- SCADA Software available (at additional cost)

Technical Specifications	Unit	ZI-2054-ESS-1	ZI2054-ESS-2	ZI2054-ESS-3
Capacity	kN	1000	2000	3000
Electronic Display		EO-D	EO-D	EO-D
Ram Diameter	MM	180	250	300
Ram Travel	MM	50	50	50
Pressure Gauge Diameter	MM	Nil	Nil	Nil
Pressure Gauge	kN	Nil	Nil	Nil
Least Count	kN	0.01	0.01	0.01
Maximum Pressure	Kg/cm	410	410	410
Platen Diameter	MM	220	300	300
Horizontal Clearance	MM	260	320	380
Vertical Day Light	MM	310	310	310
Height of Load Frame	MM	770	890	890
Weight of Load Frame	Kg.	250	580	800
Specimen Size (can be tested)				
Cube	MM	50, 70.6, 100, 150	100, 150, 200	100, 150, 200
Cylindrical	MM	100 x 200	100 x 200, 150 x 300	100 x 200, 150 x 300

Electrical Version				
Motor	H.P.	230 V, 2 Ph, 50 Hz	230 V, 2 Ph, 50 Hz	230 V, 2 Ph, 50 Hz
R.P.M.		1440	1440	1440
Electronic Sped Drive		Yes	Yes	Yes
Height of Pumping Unit	MM	810	890	890
Weight of Pumping Unit	Kg.	90	90	90

Demonstration video of Eco Servo Smart Compression Testing Machine: