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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 Spped 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: