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## Eco Smart Compression Testing Machine ZI-2058-ES

Standards:

Specification:

### Smart Series

**Capacity: 1000kN / 2000kN / 3000kN**

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



### Features:

- 7" LCD touch screen
- 10 point dynamic calibration facility
- On board printing facility
- Overload safety cut off facility
- CNC finished distance pieces supplied to accommodate specimen of different shapes / sizes
- Compact & sturdy design load frame to be base mount with pump clamped to frame
- Matt finished PU paint in dark color
- Emergency stop push button
- Safety lockable door
- Platen hardness 55 HRC grinded to the finish of 0.03 mm
- Real-time graph for load vs time
- Sample id, test id and lab id can be input

onboard

- Weight and age of specimen can be input onboard
- 230 V AC, single phase motor
- SCADA software available (at additional cost)
- Meets the key specification of IS -516 & IS 14858 and other ASTM, EN and BS standard depending on platens and accessories chosen.
- Actual pace rate display in kN/sec
- Automatic stress determination and display.
- Self aligning platen with fast accessory change capability.
- Data storage approx 10000 records on board with graph in .csv/.jpeg format
- Peak stress calculation based on sample type and shape.
- No external PC or software needed, so simple to learn and use
- 4 channel can be connected to connect flexural mode/prism test, split test (at additional cost)
- 5% overload protection to calibrate the machine to full load

Technical Specifications	Unit	ZI-2058-ES-1	ZI2058-ES-2	ZI2058-ES-3
Capacity	kN	1000	2000	3000
Electronic Display		EO-D	EO-D	EO-D
Ram Diameter	MM	165	234	234
Ram Travel	MM	50	50	50
Least Count	kN	0.01	0.01	0.01
Pace Rate	kN/Sec	1.0 to 10.0	1.0 to 10.0	1.0 to 10.0
Maximum Pressure	Kg/cm	480	480	720
Platen Diameter	MM	220	300	300
Horizontal Clearance	MM	260	320	350
Vertical Day Light	MM	310	310	310

Height of Load Frame	MM	770	890	990
Weight of Load Frame	Kg.	250	480	720
Lead Screw		No	No	No
<b>Specimen Size (can be tested)</b>				
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
<b>Electrical Version</b>				
Motor	H.P.	1.0 230V, 1Ph	1.0 230V, 1Ph	2.0 230V, 1Ph
R.P.M.		1440	1440	1440
Electronic Spped Drive		Yes	Yes	Yes
Contactor	V	220	220	220
Height of Pumping Unit	MM	810	810	810
Weight of Pumping Unit	Kg.	90	90	100