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**Product Name :**

Automatic digital compression testing machine

**Product Code :**

SLE/CE/01



Science Lab
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## Description :

**Automatic digital compression testing machine** (Product Code: SLE/CE/01) is a hydraulicload frame with a digital controller used to crush hardened concrete specimens and record their compressive strength in civil engineering and materials testing laboratories. It is offered in 2000 kN and 3000 kN capacities, and once the specimen parameters are entered a single press of the start button runs the complete automatic test cycle. This engineering lab equipment in India is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Capacity | 2000 kN or 3000 kN |
| Test cycle | Fully automatic with standard rapid approach; closed-loop digital readout |
| Control system | Graphical LCD data acquisition and control system with menu-driven software |
| Load rate control | 1 kN/s to 20 kN/s; control accuracy listed as ±5 |
| Load accuracy | Class 1 from 10% of full range |
| Live display | Load vs time plot and instantaneous load rate |
| Data storage | Up to 256 tests |
| Output | RS 232 port for printer or PC |
| PC software | For test control and advanced report printout (confirm inclusion in your quotation) |
| Main parts | Load frame, power pack, data acquisition and control system |
| Power | 750 W |
| Oil capacity | 20 L |
| Upper and lower platen diameter | 300 mm |
| Piston diameter | 250 mm or 300 mm, depending on version |
| Maximum piston movement | 50 mm |
| Horizontal clearance | 360 mm or 425 mm, depending on version |
| Maximum vertical clearance between platens | 340 mm |
| Maximum working pressure | 410 bar |
| Platen surface roughness | ? 3.2 µm (loading and auxiliary platens) |
| Dim | 810 x 500 x 970 mm |
| Wei | |
| Proc | |