



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

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**Product Name :**

Automatic digital compression testing machine

**Product Code :**

SLE/CE/01



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## Description :

The automatic range of 3000 kn capacity Automatic digital compression testing machine has been designed to meet the need for reliable and consistent testing of concrete samples.

All labtest machines feature the complete automatic test cycle with a closed loop digital readout. Once the specimen parameters have been introduced, it is sufficient to press the start button to complete the test.

### Features:-

- Automatic test cycle with standard rapid approach.
- Graphical – LCD data acquisition and control system.
- **Accurate load rate control within:**  $\pm 5$  from 1 kN/sec to 20 kN /sec.
- **Main parts:** frame, power pack and data acquisition & control system.
- Class 1 starting from % 10 of the full range.
- Menu driven software for easy operation.
- Load vs time plot and instantaneous load rate displayed.
- Data storage up to 256 tests.
- RS 232 output for printer or PC.
- Free of charge PC software for test control and advanced report printout.

### Technical Specifications:

- **Capacity:** 2000kN, 3000 kN
- **Power:** 750 W
- **Oil capacity:** 20 L
- **Lower platens dimensions (dia.):** 300 mm
- **Upper platens dimensions (dia.):** 300 mm
- **Piston diameter:** 250 mm, 300 mm
- **Maximum piston movement:** 50 mm, 50 mm
- **Horizontal clearance:** 360 mm, 425 mm
- **Maximum working pressure:** 410 Bar
- **Dimensions (W x L x H) (mm):** 810x500x970
- **Weight:** 795 kg, 1095 kg
- **Maximum vertical clearance between platens:** 340 mm
- **The roughness value for texture of loading and auxiliary platens:** ? 3.2  $\mu\text{m}$ ?

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