

## VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.

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# AUTOMATIC SOIL COMPACTOR WITH DIGITAL BLOW COUNTER MACHINE



MAKE: VERTEX | MODEL: VSLIC-S107 | ORIGIN: INDIA

Ref. Standards IS:2720 (Part 7), IS:2720 (Part 8) IS:9198, IS: 1007 4, BS: 1377 ASTM D 698, D 1557

### Product Overview

Automatic compactors are essential in geotechnical engineering for conducting Proctor compaction tests, which determine the optimal moisture content and maximum dry density of soils. These devices ensure uniform and repeatable compaction, reducing manual effort and enhancing test accuracy. With Digital Automatic Blow Counter and Controller.

### Purpose:

The time and effort required to prepare specimens for compaction studies and other test methods can often be costly and time consuming. The VERTEX Compactor automatically compacts soil

specimens, thereby eliminating the laborious hand compaction method. The height and weight of the hammer is adjustable to suit test requirements.

### Salient Features & Technical Specification:

- With electric height adjuster and digital counter
- Pre-set blow pattern ensures even compaction
- Solid state controls for reliability and ease of maintenance
- Automatic counter reset after completion of blow pattern
- An automatic blow pattern ensures optimum compaction for each layer of soil.
- The hammer itself travels across the mould and the table rotates the mould in equal steps on a base that is extremely stable.
- The number of blows per layer can be set at the beginning of the test by means of the simple digital counter system.
- Hammer, Circular faced, 50 mm diameter - foot adjustable to either 2.6 kg or 4.89 kg weight.
- Drop Adjustable to either 310 mm or 450 mm
- Controls Digital counter system, selector switch for either standard proctor test or modified proctor/CBR testing.
- Safety features like safety lever for preventing rammer falling, when the door is open, total cover for moving parts, M.C.B. for overload protection will be inclusive.
- Supplied with moulds.
- Electricity Suitable Working 220/230volt Single Phase 50HZ