

### Compression Testing Machine Hand Cum Electrical Operated

**Make:** LabTek

**Model:** SUN-CT-001EH

**Origin:** India

**Standards:** EN 12390-4, BS 1881 and ASTM C39

(with suitable platen set)

High stability four column load frame

Each frame tested for stability and alignment to avoid tension failure during a test and to ensure center loading

Standard Platens for 3 X 6"/ 4 X 8" and 6 X 12" cylinders included.

A precise large diameter spherical upper platen for optimum results

Variety of optional accessories for cubes, blocks, bricks and flexure test available

Motorized hydraulic power pack or pumping unit with rapid approach and automatic over

Comes standard with safety Guards on all four sides.



**Features :**

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**Other Details:**

The Complete unit comprises a Loading Unit which is of fully welded or two pillar model construction having a cross-head with a spherical seated platen. The lower platen is attached to the top of the piston. The Loading capacity is of 2000 KN, Cubes up to 200 mm & Cylinders up to 150 mm Dia X 300 mm Height can be tested using the appropriate spacers.

Pumping Unit with choice of compact power pack attached closely to the loading unit or separate hydraulic pumping unit, attached to the loading unit by high pressure hydraulic flexible hose pipe. The pump facilitates rapid approach of the platens for daylight closure and also provides comprehensive control over the application of load. A control valve provides fine control over the loading rate for accurate pacing. Maximum load is held and retained for approx. 15 min, unless canceled, using the panel mounted reset switch. Pace rate set for running the test can be maintained manually.

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High Stability

Self-aligning platen assembly.

Gauges are calibrated in Kilo Newton against certified Proving Ring.

Suitable for testing cubes of various sizes

Using special platens, bricks also can be tested.

Hard chrome plated piston with new type of long life oil seal.

Four Pillar Model – superior in design, reliability and accuracy

Practically no welded parts, all joints reinforced with heavy nut/bolt to withstand occasional over loading and to ensure center loading.

Rounded Corners – add to elegance and safeguard against injury

Hardened and grinded platens with guide lines for placing sample for Testing

Spare Oil Seal

Brick Testing Attachment

Hydraulic Oil (Tin of 5 Liters)



**Compression Testing Machine – Hand Operated Channel Type**

This machine is quite useful on field Laboratories or mobile testing laboratories or Vans which frequently change site or location. It is particularly useful where constant and consistent Electric power is not available. The load is applied manually and observed on a Pressure gauge. The Pressure Gauge has maximum load indicator which stand still even after the specimen under test crushes and has to be set to zero manually.