

**Product Name :**  
Compression Testing Machine-Hand Oprated-1000 KN

**Product Code :**  
CHINAELABC2650079



**Description :**

Compression Testing Machine-Hand Oprated-1000 KN  
Compression Testing Machine -Hand Oprated - 1200 KN  
Compression Testing Machine- Hand Oprated - 2000 KN

**Technical Specification :**

Fitted with a special pumping unit to make pumping easy and light.  
Tank capacity is 7 ltrs and supplied with Hydraulic Oil.  
Hand pumping becomes light as the load increases, less efforts in hand pumping.

With Improved and Novel Pump - for easy and effortless pumping, the pump becomes more and more light as the load increases.  
For determination of compressive strength of cement by testing concrete cylinders, cubes.  
The machine works on hydraulic pressure gauge marked in 5 KN division and is fitted with maximum red pointer, in addition to the live pointer.  
The machines are nicely painted in hammertone gray.  
Complete with pressure gauge duly calibrated.

**Salient Features**

High Stability  
Self-aligning platen assembly.  
Gauges are calibrated in Kilo Newton against certified Proving Rings.  
Suitable for testing cubes of various sizes

Using special platens, bricks also can be tested.(Extra cost)  
Hydraulic Piston hard chrome plated.

#### General Specifications

##### Loading Unit

The loading unit consists of a cross-head and base with solid channel supports connecting the base and cross-head rmly.

The Hydraulic jack is to the base. The platen of the machine are hardened ground and polished The upper platen is provided with self-aligning action.

To facilitate testing of various size specimens, spacer block provided.

##### Pumping Unit

The hydraulic pumping unit is Manually Operated make.

The load is measured on Bourdon tube type pressure gauge which is calibrated against certied proving rings.

The pressure gauge is ftted maximum load pointer.

Pumping: Hand operation

Pump Speed: Manual

Motor: No

Reading : Analog

Least count: 0.5% of full load

Accuracy:  $\pm 2\%$

Release valve operation: Required

Auto stop after failure of specimen: Not available, need to stop the hand pumping

Auto Release of Pressure after specimen failure: Not Available, Need to release pressure manually after the completion of test

Calculation of result: Manual

Holding of Max.Load: Available

Pace Rate or Rate of Loading indication: Not Available

Operator skill to control Pace Rate: Not Applicable

Bar Graph: Not Available

Multi Channel operation: Not Available

Load indication and Control: Manual

Saving of records: Not Available

Pen drive slot, Real time graph: Not Applicable

Printer interface (Direct connectivity to printer w/o computer): Not Applicable

Computer operation software and data Acquisition software: Not Applicable

Displacement controlled operation: Not Available

Modulus of Elasticity Calculation: Not Available

Flexural attachment: Not Available

Splitting Tensile Test: Not Available

LAN Connectivity: Not Available

Auto internal Calibration without proving ring: Not Available

Piston over travel safety cut off: Not Available

Over load safety cut off: Not Available

Shot circuit protection: Not Required



**Engineering Lab China**

