



## COMPRESSION TESTING MACHINE - 1000 KN-HAND OPERATED-CHANNEL MODEL



**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 stray. Complete with pressure gauge duly calibrated.

### Some of the salient features are

1. High Stability
2. Self-aligning platen assembly.
3. Gauges are calibrated in Kilo Newton against certified Proving Rings.
4. Suitable for testing cubes of various sizes
5. Using special platens, bricks also can be tested.(Extra cost)
6. Hydraulic Piston hard chrome plated.

### General Specifications

#### 1) LOADING UNIT

The loading unit consists of a cross-head and base with solid channel supports connecting the base and cross-head firmly. The Hydraulic jack is fixed 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.

#### Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,  
Near Gujarat College, Ellisbridge,  
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Phone : (079) 6621 1234  
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#### Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,  
Opp. Primary School, Village Kubadthal,  
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GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
CIN No. : U29199GJ2004PTC045078  
TAN No. : AHME00572F



## 2) PUMPING UNIT

The hydraulic pumping unit is Manually Operated. Made of POLYHYDRON make. The load is measured on Bourdon tube type pressure gauge which is calibrated against certified proving rings. The pressure gauge is fitted maximum load pointer.

Compression Testing Machine Exported in Russia, Bangladesh, Nepal, Bhutan, Sri Lanka, Indonesia, Taiwan, South Africa, Kenya, Morocco, Egypt, Malaysia.

### Technical Specification

- 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 : Not Applicable
- 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

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- 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
- Overall Dimensions : 900 X 450 X 1040 (L X W X D) mm
- Weight (Approx.) : 252 kg

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