



### Description:

- The Compression Testing Machine - Economy Digital is a robust and reliable piece of equipment designed for accurately measuring the compressive strength of materials.
- This machine is ideal for a variety of industries including construction, manufacturing, and materials science research.
- Its digital interface provides precise and easy-to-read measurements, making it a valuable tool for quality control and testing laboratories

### Key Features:

- Salient features:
- No need of separate observation on dial gauge and Proving ring
- Facility to readout rate of loading in mm/minute.
- Tare system to nullify initial load
- The digital LCD display will retain the peak value until it is cleared.
- Flow value and load on a single screen.
- Flow value with a least count of 0.01 mm with accuracy of 1%.
- Load value with a least count of 0.1 kg / 0.001 KN with accuracy of 1%.
- Back light facility to observe the readings even in the dark.
- Four line readout showing load, flow, speed, CBR value @ 2.5 mm and 5mm, and load at 0.5 mm, 1 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm, 4.5 mm, 5 mm, 7.5 mm, 10 mm and 12 mm.(scrolling)
- Auto calculation of CBR value at 2.5 mm and 5 mm.
- Over load safety at pre decided load.
- Over travel safety.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Auto reverse to home position on pre set over travel.
- Auto internal calibration facility to calibrate load and flow.
- Confirming to BIS 2720 (Part 16 )

**Technical Details:**

- C.B.R. Mould Mild steel, with collar and base plate - 1 No.
- Penetration Piston - 1 No.
- Brass Perforated swell Plate - 1 No.
- Displacer Block - 1 No.
- Annular and Slotted Metal Weight 2.5 kg - 1 No.
- Metal Tripod Stand - 1 No.
- Compaction Rammer 2.6 kg and 4.89 kg. : 1 No. each
- CIRCLES Filter Paper for CBR Test 15 CM Dia pack of: 100 Circles
- Physical data:
  1. Capacity : 50 KN
  2. Power supply : Single phase, 220 volts AC
  3. Readout : Digital (flow and load)

**Optional :**

- PC software available at FREE COST
- Computer System at Extra Cos

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