

SOM-009 COMPRESSION TESTING MACHINE



DESCRIPTION :

Compression tests are used to determine how a product or material reacts when it is compressed, squashed, crushed or flattened by measuring fundamental parameters that determine the specimen behavior under a compressive load.

RANGE OF EXPERIMENTS :

1. To Perform Compression Test

TECHNICAL DESCRIPTION :

- a. Loading accuracy as high as $\pm 1\%$
- b. Straining at variable speeds to suit a wide range of materials.
- c. Continuous roll autographic recorder supplied as standard to enable study of the behavior of materials.
- d. Motor driven geared shaft for quick and effortless adjustment of cross-head-to facilitate rapid fixing of test specimen.
- e. High reading accuracy due to large size and design of dial.
- f. Wide range of standard and special, including load stabilizer.
- g. Large effective clearance between columns enables testing of standard specimen as well as structures.
- h. Simple controls for ease of operation.
- i. Robust straining frame of an extremely rigid construction.
- j. Safe operation ensured by means of safety devices.
- j. Load ranges can be adjusted by auto load selector knob.

TECHNICAL DATA :

Loading Range : 2000 KN

Least Count : 1KN

Max. Clearance Between Platen : 370 mm

Max. Clearance Between Side Platen : 340mm

Platen Size : 220 mm

Piston Stroke : 210mm

SERVICE REQUIRED : Power Supply: 440 V, 50 Hz, A.C.Three
Phase , Foundation As Per Drawing

SPACE REQUIRED : 1.5 m. (L) x 1.0 m (W) X 1.5 m (H).

WEIGHT : @ 400 Kg