

Product Name : Analogue Compression Testing Machine For Testing Lab for Concrete Testing Lab	Product Code : NCOT-C30
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Description :

Analogue Compression Testing Machine for Concrete Testing - Compression Testing Machines Loading Unit : -
The loading unit is of fully welded construction having a cross head, base and solid side plates. The hydraulic jack is fixed to the base. The platens of the machine are hardened, ground and polished. The upper platen is provided with self-aligning action. To facilitate testing of various size specimens, suitable size spacers are provided. A ball seating attachment is fixed on the upper platen to test the machine's stability.

Pumping Unit : The hydraulic pumping unit is:

- Manually Operated or
- Electrically Operated

The loads are measured on Bourdon tube type load gauges which are calibrated against certified load rings. The load gauges are fitted with a maximum load pointer. Both the Pumping units, Manually operated and Electrically operated, are of two-speed design. The two speed pump facilitates fast approach of the platens for daylight closure, thus eliminating the need for the lead screw. In the Electrically Operated Pumping Units, load gauges are fitted with micro switches to switch-off the motor when the load approaches the maximum capacity of gauge, avoiding any over-loading. Relays are incorporated so that the motor does not restart on its own after a power breakdown. The electrically operated pumping units are provided with a control knob to adjust the pace rate which can be effectively controlled by an experienced operator during the course of testing by observing the progress of the load gauge reading.

Potable Compression Testing Machine - The equipment consists of a Loading Unit, an integral double acting pumping unit fitted to the base of the machine and a calibrated Load Gauges is fitted with the top. It has a detachable Hydraulic Jack. The hydraulic cylinder is placed on the base of the Loading Unit.

Ranges : 50kN to 3000kN.

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