

Product Name :
Compression Testing Machine 500 KN

Product Code :
NLAB-COMPSLAB280009



Description :

Compression Testing Machine 500 KN

Technical Specification :

The hydraulic jack of 500 KN capacity is fixed to the base. The upper platen has got a self aligning action and is attached to a screw which passes through the cross head plate, and can be raised or lowered for initial clearance adjustment. The lower platen rests on the jack ram and is positioned with the help of a centring pin. Loading is accomplished by upward movement of lower platen. A dust cover is provided on the jack to prevent any dust from going into the cylinder. A spacer with a centering locating pin is provided to test small specimens. The lower and upper platens of the machine are hardened ground and polished. Guidelines are marked on the lower platen to keep the specimen coaxial with the hydraulic jack.

Pumping Unit

The motorised pumping unit which is housed in an elegant console is of double plunger type and is driven by three phase 440 volts 50 cycles electric motor. The pumping unit is a separate unit connected to the jack by means of a steel connecting tube. A junction box is suitably fixed to connect the motor to the mains through a push button starter. The pumping unit is fitted with a 20cm dia, dial hydraulic pressure gauge with 250 division i.e. 0-500 KN X 2 KN. A max red pointer is provided to facilitate taking readings after failure of the specimen. The pressure gauge is fixed at an Angle for easy readability. The machine is fitted with hand wheel control which enables the rate of application of load to varied. The machine is equipped with the facility of Hand Pumping in case of power failure. The electric pumping unit is fixed with a micro-switch to switch off the motor automatically as the load on the machine approaches the rated capacity. Relays are incorporated in the pumping unit so that in case of break down of power supply, the motor will stop and would not re start unless the starting switch is

operated. Complete with our own calibration certificate for pressure gauge with National Traceability.

Naugralabequipments

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