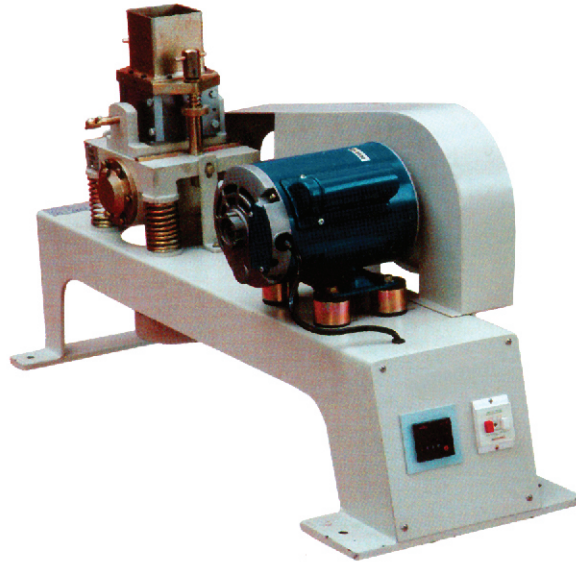


Vibrating Machine

ZI 1031



Vibrating Machine : Zi1031

IS 4031 1968, IS 1344 1959, BS 4550.

Concrete moulds are easily cast by using a tamping bar or a vibrating table. However air trapped in cement mortar paste can not be thus removed while casting cement mortar moulds. Easy method is to impart greater vibrating of lesser amplitude to the mould while casting This is achieved in a vibrating machine.

Vibrating machine is used for the preparing of mortar cubes for the determination of compression strength of ordinary and rapid hardened Portland cement, low heat Portland cement, Portland blast furnace cement and high alumina cements.

SPECIFICATION :

The machine consists of a vibrating frame assembly and an electric motor mounted on a sturdy base.

The complete frame assembly consists of a vice to hold a 7.06cm cube mould and two studs threaded at top and a hopper to feed the sample in the mould. This assembly is supported on four springs and has an in built rotating shaft which rotates eccentrically and thus imparts vibrations to the entire frame. A balance weight is an integral bottom part of the frame. The centre of gravity of the assembly is brought to the centre of the eccentric shaft within a distance of 25mm below it. The electric motor drives the shaft of the frame and thus imparts required vibration to the moulds.

The frequency of vibration is 12000 +/- 400 Vibration Per Minute. Supplied complete with on 7.06 cm Cube Mould with loose base plate, a time switch 0-5mins x 1mm.

SPARES : Set of springs, belt and belt guard.

OPTIONAL : Digital Preset Timer can be supplied at an extra cost.

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