

## VEE BEE CONSISTOMETER

**As Per IS 1199 – 1959.**

The instrument is used for workability as well as consistency of fresh concrete.

### AIC-VBC-102030. VEE BEE CONSISTOMETER.

A slump cone and a graduated rod supplied with the instrument helps the operator to find out slump values and vibration table with container and acrylic disc is used to find out work ability of concrete expressed in Vee Bee degrees, which is defined as the time in seconds to complete required vibrating at which the fresh concrete flows out sufficiently to come in contact of the entire face of acrylic disc.

The equipment consist of a vibrating table size 380mm long and 260mm wide, resting upon elastic support at a height of about 305mm above the floor, complete with start/stop switch, cord and plug. A holder is fixed to the base into which a swivel arm is telescoped with funnel and guide sleeve. The swivel arm is also detachable from the vibrating table. A graduated rod is fixed on a swivel arm and its end a plastic disc is screwed. The division of scale on the rod record the slump of the concrete in millimeters.

Supplied complete with a sheet metal container with lifting handles which can easily be fixed to the vibrating table. A slump cone open at both ends with lifting handles and a tamping rod of size 16mm Dia and 600mm long, rounded at one end.

Suitable to operate on 440 Volts, 3 Phase, 50Hz, AC supply.



## CONCRETE PENETROMETER - SPRING TYPE

**As Per IS 8142 – 1976; ASTM C-403.**

It is used for finding out the rate of hardening of mortar sieved from concrete mixers, by means of penetration needles of different cross-sectional areas.

### AIC-CPN-S60kg. CONCRETE PENETROMETER - SPRING TYPE.

The instrument consists of a barrel housing, a calibrated spring and a stem graduated from 0-60kg x 1kg. Six interchangeable penetration needles of areas 645, 323, 161, 65, 32 and 16mm<sup>2</sup> are provided. Complete in a wooden carrying case.



## FLOW TABLE APPARATUS.

**As Per IS 9103 – 1999.**

For determination of the flow of fresh mixed superplasticized concrete of high workability.

It consists:

A conical mould having 130mm Top Dia x 200mm Base Dia and 200mm Height.

A flow table having mild steel top having plain area of 700x700mm. The center of the table is scribed with cross lines which run parallel of and out to the edges of the table and a circle of 200mm dia at the center of the table. This flow table is hinged with the base frame using externally mounted hinges. An upper stop is provided at each side of the table so that the lower front edge of the table can only be lifted 40mm.

### AIC-ADMX-FLT-MS70. FLOW TABLE APPARATUS.

Complete with a Wooden Tamping Bar having 40x40mm section of 200mm with a circular section to form a handle to the bar.

