



## VICAT NEEDLE APPARATUS

As Per IS 5513 - 1996; IS 4031 (Part IV) - 1988 & IS 1727 - 1967.

For determining the normal consistency and setting times of cement and 'A' class limes.

### AIC-VNA-807040. VICAT NEEDLE APPARATUS.

Consist of a metallic frame bearing a movable rod with cap at one end and a AIC-VMLD-8070. VICAT MOULDS having 80±5mm Dia at the base 70±5mm Dia at top and 40±0.2mm high and with a glass base plate, consistency plunger, initial and final setting needles in a nice plastic case. Complete with dashpot to facilitate the gentle lowering of the needle.

### AIC-VNA-S808940. VICAT NEEDLE APPARATUS WITH SPLIT MOULD.

Consist of a metallic frame bearing a movable rod with cap at one end and a AIC-VMLD-S808940. VICAT MOULD SPLIT TYPE having 80mm Dia x 40mm Height with split ring and with a glass base plate, consistency plunger, initial and final setting needles in a nice jeweler case. Complete with dashpot to facilitate the gentle lowering of the needle.

## MORTAR MIXER

As Per IS 10890 - 1984; IS 1727 - 1967; IS 4031 (Part VII, VIII, XII & XIII) - 1988.

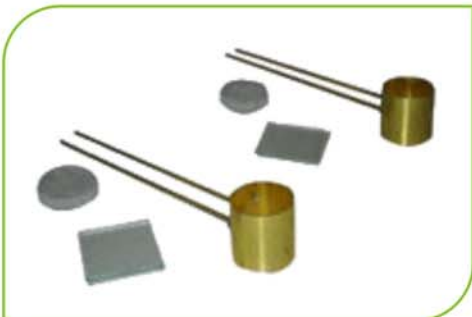
It is used for mixing cement pastes, mortars and pozzolanas.

### AIC-PMX-06L. MORTAR MIXER.

The mixer consists of an epicycle type Stainless Steel Paddle imparting both planetary and revolving motion, by means of gears. Mixers have two speeds of 140±5rpm and 285±10rpm with planetary motions of approximately 62±5rpm and 125±10rpm respectively.

The stand of the mixer has an arrangement to raise or lower the bowl. Stainless Steel Bowl of about Six Ltr. capacity is fitted with handle. It shall be provided with a lid made of non-absorbing material and not attached by cement, masonry cement, cement pozzolana mixture or lime pozzolana mixture.

Fitted with ¼ HP, 1440rpm Motor, suitable for operation on 230 Volts, Single Phase, 50Hz, A.C. Supply.



## LE-CHATELIER MOULDS

As Per IS 5514 - 1996; IS 4031 (Part III) - 1988.

Le-Chatelier method determines the soundness of cement and limes (Class-A & B) by using the expansion test with Le-Chatelier Moulds.

Consist of a small split cylinder of spring brass to other non-corrodible metal of 0.5mm thickness forming a mould of 30mm internal diameter and 30mm high. On either side of the split, two indicators are brazed suitably with pointed ends made of 2mm diameter brass wire in such a way that the distance of these ends to the centre of the cylinder is 165mm. The split cylinder will be kept between two glass plates.

Supplied complete with two glass plate and one lead weight. Set of six nos.

AIC-LCM-50ISI.  
AIC-LCM-50.

LE - CHATELIER MOULD. With ISI Marked.  
LE - CHATELIER MOULD. Without ISI Mark.