Product name:	Product code:
Automatic Vicat Apparatus with Digital Penetration Timer	CMI-IND-0033

Description

Motorised Vicat needle apparatus that automatically penetrates cement paste at set intervals to find consistency and initial and final setting time. Used in cement plant QC labs and ready-mix testing.

Technical specification

- Vicat mould with glass base plate
- Initial and final needle
- Consistency plunger

The apparatus drops a Vicat plunger or needle into a paste specimen on schedule and records penetration depth, removing operator judgment from setting time tests. It is used on cement, supplementary cementitious blends and mortar pastes. Digital readout and optional printer give traceable test records.

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Features

- Programmable penetration interval from 1 to 30 minutes
- Digital penetration scale to 50 mm, 0.1 mm resolution
- Plunger, initial and final needle supplied
- Heated specimen tray with temperature control
- Auto end-of-test alarm

Technical Specifications

Penetration range	0 to 50 mm
Resolution	0.1 mm
Plunger	10 mm dia, 300 g moving mass
Needle	1.13 mm dia (initial), with 5 mm ring (final)
Specimen mould	Conical ebonite, 70 mm top, 80 mm base, 40 mm height
Standards	IS 4031 Part 4 and 5, ASTM C191, EN 196-3
Power supply	230 V AC, 50 Hz

Standard Accessories