

AUTO Vicat Apparatus

CODE: 38-2015/01

PRODUCT GROUP: AUTO VICAT APPARATUS

Overview

The ELE Auto Vicat Apparatus is designed for automatic determination of cement setting times, conforming to a number of global standards including EN 196-3 and ASTM C191. With a high-precision motorised test mechanism and programmable penetration cycles, it ensures consistent and repeatable results for both initial and final setting times.

The apparatus eliminates manual errors by automating the penetration process, making it an essential tool for cement, mortar, and plaster testing laboratories. The integrated touchscreen provides user-friendly operation and a USB port allows data to be downloaded for data verification and analysis.

Features

- Fully automated Vicat test for accurate and repeatable setting time measurements.
- High-resolution touchscreen for intuitive operation and data input.
- Motorised needle penetration system with precise depth measurement.
- Multiple pre-set test cycles conforming to EN, ASTM standards.
- Real-time data logging and results display.

Customer Benefits

- **Increased efficiency:** Fully automated system reduces operator involvement.
- **Enhanced accuracy:** Eliminates manual testing errors.
- **Time-saving:** Pre-programmed cycles ensure standard-compliant testing.
- **User-friendly interface:** Simplifies test setup and monitoring.
- **Compact and durable design:** Built for heavy-duty lab use.



Specifications

Voltage Supply:	220 VAC 50 Hz
Penetration Depth Measurement:	BY Digital Encoder Accuracy +/- 0.1 mm
Dimensions:	410 mm height 378 mm length 180 mm width
Weight:	6 kg
Measuring cell:	ASTM- 60 mm EN- 70 mm
Volume of the measuring cell:	ASTM- 132994 mm ³ and EN- 176976 mm ³
Precision of the time measurement:	+/- 1 sec.
Vicat Moulds:	60 mm, 70 mm
Calibration Kit:	Vicat mould and Penetration Needle, glass plate
Spare Penetration Needles:	1 mm & 1.13 mm

Accessories	
Automatic Vicat Apparatus	38-2015/01
ASTM Vicat Moulds	38-266
EN Vicat Moulds	38-2300
Vicat Moulds	38-2200
Needle Cleaning Device	38-2015/12
Printer Paper Rolls	38-2015/14
ASTM Initial and Final Set Needle	38-2023
EN Initial and Final Set Needle	38-2021
Consistency Plunger	38-2015/16

Alternatives	
Vicat Frame Complete	38-4010