

## VICAT APPARATUS (Manual)

Code : C090



- The Vicat Apparatus is designed to determine the setting time and consistency of hydraulic cement and lime, essential parameters for assessing material performance in construction applications.
- It features a movable rod with a total weight of 300 g, equipped with interchangeable needles and a plunger to perform various tests, including initial and final setting time and standard consistency.
- The apparatus includes a graduated scale for precise measurement of needle penetration, ensuring accurate and repeatable results in accordance with international standards.
- Constructed with a rigid frame and durable materials, the Vicat Apparatus is suitable for both laboratory and field environments, providing reliable performance over extended use.
- Optional automatic models are available, offering programmable testing procedures and digital data acquisition for enhanced efficiency and documentation.

### **STANDARDS**

ASTM C187 • ASTM C191 • EN 196-3 • EN 480-2 • EN 13279-2 • AASHTO T129 • AASHTO T131

**TECHNICAL SPECIFICATIONS**

Standard	ASTM C187 - C191	EN 196-3
Movable rod weight	300 g	300 g
Vicat Mould	Ø 60 / Ø 70 mm x 40 mm	Ø 70 / Ø 80 mm x 40 mm
Setting Time Needle	Ø 1 mm	Initial Set: Ø 1.13 mm Final Set: Special Foot
Consistency Plunger	Ø 10 mm	Ø 10 mm
Thermometer	100°C	100°C
Glass Plate		

**ORDERING INFORMATION**

Item Name	Item Code
AUTOMATIC VICAT APPARATUS - ASTM	C090A00AH
AUTOMATIC VICAT APPARATUS - EN	C090A00EU
VICAT APPARATUS - ASTM	C090H00AH
VICAT APPARATUS - EN	C090H00EH
VICAT MOULD - ASTM	C090P001H
VICAT MOULD - EN	C090P002H
VICAT INITIAL SETTING TIME NEEDLE - ASTM	C090P003H
VICAT INITIAL SETTING TIME NEEDLE - EN	C090P004H
VICAT FINAL SETTING TIME NEEDLE - EN	C090P006H
CONICAL PENETRATION NEEDLE - EN 13279-2	C090P007H

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VICAT WEIGHT - 700 g	C090P008H
CONSISTENCY PLUNGER for VICAT APPARATUS - Ø 10 mm	C090P009H
GRADUATED MEASURING PLATE for VICAT APPARATUS	C090P010H

**OTHER PHOTOS**

