

## 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<br>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 |

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

**OTHER PHOTOS**

