

VICAT TEST SET

STANDARDS: EN 196-3, 480-2, ASTM C187, C191, AASHTO T129, T131

Used for determination of setting time and consistency of cement by Vicat Method.

The EN Test set consist of a Vicat Frame, EN Vicat Mould, Initial and Final Needles, Consistency Plunger, Glass Plate and Glass Thermometer.

The ASTM Test set consist of a Vicat Frame, ASTM Vicat Mould, ASTM Needle, Consistency Plunger, Glass Plate and Glass Thermometer.

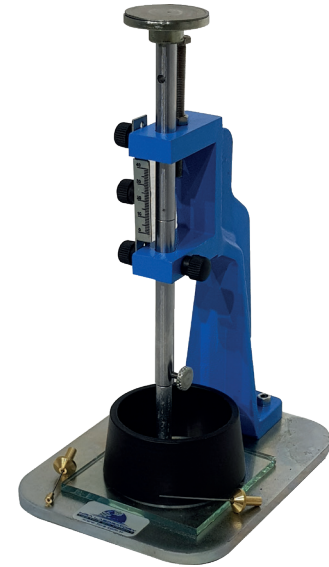
700 g Additional Weight should be ordered separately.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-CE9100	Vicat Test Set, EN	16x20x32	3,5
HR-CE9105	Vicat Test Set, ASTM	16x20x32	3,5

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (mm)	Weight (kg)
HR-CE9100/1	Vicat Frame	160x200x320	2,5
HR-CE9100/2	Vicat Mould, EN	Ø 70/80 x 40	0,3
HR-CE9100/3	Initial Needle, EN	Ø 1,13	0,1
HR-CE9100/4	Final Needle, EN	Ø 1,13	0,1
HR-CE9100/5	Consistency Plunger	Ø 10x50	0,1
HR-CE9100/6	Glass Plate	Ø 120	0,1
HR-CE9100/7	Additional Weight, EN	---	0,700
HR-G0391	Glass Thermometer, max. 110°C	30x30x300	0,1
HR-CE9105/1	Vicat Mould, ASTM	Ø 60/70 x 40	0,3
HR-CE9105/2	Vicat Needle, ASTM	Ø 1	0,1



HR-CE9100

AUTOMATIC VICAT TEST SET

STANDARDS: EN 196-3, 13279-2, 480-2; ASTM C191, C187

Automatic Vicat Apparatus is used for determination of setting time and consistency of cement/mortar/gypsum by Vicat Method.

The Automatic Vicat Apparatus can be programmed up to 4 different test types and can be stored over 50 tests. These test values can be printed from the PC port or transferred to the computer.

It automatically records measurements up to 50 tests and stops automatically.

The penetration measure is read by a sensor with 0,1 mm resolution.

The Automatic Vicat Apparatus has RS 232 serial port for PC connection and Display for data input and graphic/test report.

It has Automatic Needle Cleaning Device and Consistency Plunger.

The EN Test set consist of Automatic Vicat Device, EN Vicat Mould, Initial Needle and Software.

The ASTM Test set consist of Automatic Vicat Device, ASTM Vicat Mould, ASTM Needle and Software.

Thermostatic Bath is available as an optional and should be ordered separately.

Conical penetration needle Ø8x50 mm and 100 g Probe to make gypsum tests following EN, DIN Specifications should be ordered separately.

Other accessories should be ordered separately.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-CE9120	Automatic Vicat Test Set, EN	36x62x58	42	220 V, 50-60 Hz, 1ph
HR-CE9123	Automatic Vicat Test Set, ASTM	36x62x58	42	220 V, 50-60 Hz, 1ph

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (mm)	Weight (kg)
HR-CE9120/1	Automatic Vicat Apparatus	360x620x580	40
HR-CE9120/2	Vicat Mould, EN	Ø 70/80 x 40	0,3
HR-CE9120/3	Initial Needle, EN	Ø 1,13	0,1
HR-CE9120/4	Final Needle, EN	Ø 1,13	0,1
HR-CE9120/5	Consistency Plunger	Ø 10x50	0,1
HR-CE9120/6	Glass Plate	Ø 120	0,1
HR-CE9120/7	Additional Weight, EN	---	0,700
HR-CE9120/8	Needle Cleaning Device	---	---
HR-CE9123/1	Vicat Mould, ASTM	Ø 60/70 x 40	0,3
HR-CE9123/2	Vicat Needle, ASTM	Ø 1	0,1
HR-CE9120/9	Software	---	---
HR-CE9120/10	Thermostatic Bath	---	---
HR-CE9120/11	Conical Penetration Needle	Ø 8x50	---
HR-CE9120/12	Probe	---	0,1

**HR-CE9120****GILLMORE APPARATUS**

STANDARDS: ASTM C91, C141, C266, AASHTO T154

Gillmore Apparatus is used to determine the setting time of cement.

Vertical support shaft has a device to maintain the horizontal arms in alignment. Support assembly is adjustable in position. The two steel weights needles are calibrated to meet specifications. Needle points made from stainless steel. The Initial Setting Needle has Ø 2,12 mm and weight of 113 g, while the Final Setting Needle has Ø 1,06 mm and weight of 453,6 g.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-CE2175	Gillmore Apparatus	30x10x30	3

Spare Parts & Accessories:

Product Code	Product Name	Dia. (mm)	Weight (g)
HR-CE2175/1	Initial Setting Needle	2,12	113
HR-CE2175/2	Final Setting Needle	1,06	453,6

**HR-CE2175****FLOW CHANNEL TEST APPARATUS (FUNNEL GROOVE)**

STANDARDS: EN 13395-2, UNI 8997

Used to determine the consistency of the expansion premixed cement mortars for anchorages, mixed with water, classified of super-fluid type.

Technical Specifications:

Product Code	Product Name	Weight (kg)
HR-CE2200	Funnel Groove	20

**HR-CE2200**