

## Automatic Vicat Apparatus

EN 196-3; 13454-2; ASTM C187; C191; AASHTO T129; T131

### ORDERING:

#### CM 0114

Automatic Vicat Apparatus complete set

### ACCESSORIES:

#### CM 0114-1

Consistency plunger

#### CM 0114-2

Initial needle, 1.13 mm dia EN

#### CM 0114-3

Final needle, 1.13 mm dia EN

#### CM 0114-4

Initial needle, 1.13 mm dia ASTM

#### CM 0114-5

Final needle, 1.13 mm dia ASTM

#### CM 0114-6

Needle cleaning Device

#### CM 0114-7

Windows Software and RS232 Cable

#### CM 0114-8

Printer Paper rolls, pack of 10

#### CM 0114-9

Mold

#### CM 0114-10

Thermostatically-controlled heating/cooling system, for testing samples under water as per EN 196-3

## Plunger Penetration Apparatus

EN 413-2; 459-2; 1015-4; DIN 4211

### DESCRIPTION:

The Plunger Penetration Apparatus is used to determine the consistency of fresh mortar, lime and masonry cement.

The Plunger penetration apparatus consists of a steel base, test cup, vertical column holding the penetration plunger assembly. The height of the plunger assembly is 90g.

Supplied complete with: test cup and tamper, both made from an iodized aluminum.



### ORDERING:

#### CM 0115

Plunger Penetration Apparatus complete

### ACCESSORIES:

#### CM 0115-1

Test cup

#### CM 0115-2

Tamper

### TECHNICAL SPECIFICATIONS:

Dimensions	200x200x700 mm
Weight	6 kg

## Gillmore Apparatus

ASTM C91; C141; C266; C1398; AASHTO T154

### DESCRIPTION:

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

The apparatus consists of two horizontal arms that carry two-weight steel needles that are calibrated to meet the specifications.

The initial needle has 2.12mm dia and a weight of 113g, while the final setting needle has 1.06mm dia. and weight of 453.6g.

### TECHNICAL SPECIFICATIONS:

Dimension	Weight (approx.)
200x50x250 mm	2.5 kg



### ORDERING:

#### CM 0116

Gillmore Apparatus