

**E055N**

**Vicat apparatus**

**DETERMINATION OF SETTING TIME AND CONSISTENCY OF CEMENT**

STANDARDS: EN 196-3:2005 / EN 13279-2 (gypsum)

EN 480-2 / ASTM C187, C191

AASHTO T131 / DIN 1196, 1168 / BS 4550

NF P15-414, P15-431 / UNE 80102

The instrument consists of a metallic frame, graduated scale with index, sliding probe of 300 g, consistency plunger dia. 10 mm, glass base plate.

The **needle and conical mould** are not included and have to be ordered separately according to the selected Standard (see accessories)

Dimensions: 160x200x300 mm. Weight: 5 kg



ACCESSORIES:

**E055-06** Additional weight 700 g to the sliding probe (EN - NF)

**E042N** Final needle dia. 1,13 mm (EN - NF - BS - DIN - UNI - UNE)

**E042-01N** Final needle dia. 1 mm (Standards: ASTM - AASHTO)

**E055-08** Glass thermometer -10 to +50° C.

**E044-40N** Conical penetration needle dia 8 mm by 50 mm long for gypsum tests. Standards: EN 13279-2 / DIN 1168

**E055-15** Probe 100 g for tests on gypsum, EN 13279-2 DIN 1168



SPARE PARTS:

**E055-07** Glass base plate dia. 120 mm

**E044-48N** Tang to fix the needle to the probe

**E042-02N** Consistency plunger dia. 10x50 mm

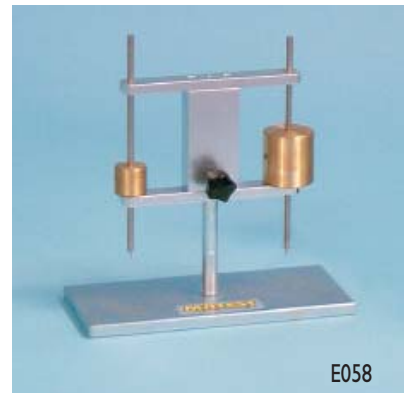
**E058**

**Gillmore apparatus**

STANDARDS: ASTM C91, C141, C266 / AASHTO T154

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 are from stainless steel. The initial setting needle has dia. 2,12 mm and weight of 113 g, while the final setting needle has dia. 1,06 mm and weight of 453,6 g.

Weight: 3 kg



“NEEDED” ACCESSORIES:

**E046N** Needle, hardened dia. 1,13 mm EN 196-3:2005

**E046-01N** Needle, hardened dia. 1 mm ASTM - AASHTO

**E055-10** Conical plastic mould dia. 70/80 h 40 mm (EN - NF)

**E055-05** Conical plastic mould dia. 60/70 h 40 mm (ASTM - AASHTO)

CONICAL MOULDS TO BS, DIN, UNI SPECIFICATIONS:

**E055-04** Conical plastic mould dia. 80/90 h 40 mm (UNI)

**E055-13** Conical plastic mould dia. 65/75 h 40 mm (DIN)

**E055-11** Conical brass mould dia. 80/90 h 40 mm (BS)

