



H-3052.4F

### Automatic Vicat Machine— H-3052.4F

The Vicatronic apparatus provides a completely automatic method for determining the initial and final setting time of cements or mortar pastes. The automated test operation provides for precise and repeatable results, which are automatically printed out from the integral printer built into the apparatus.

The Vicatronic has a large high-contrast, high-resolution LCD display, which shows the test data together with the general functions of the unit. The easy-to-see menu provides a simplified guide to running a test. During the test, the display also provides a real-time graph of the results, which can be monitored.

The Vicatronic is supplied with firmware that allows the automatic performance of tests in accordance to the following standards: ASTM C191, AASHTO T131, EN 196/3, DIN 1164, DIN 1168 gypsum, NF P15/431 and BS4550. Additional programs can be developed by the operator. This is particularly useful when testing new mortars, additives or research tests requiring sophisticated and flexible applications.

The Unit is supplied with the integral printer, two needles (1mm and 1.13mm. dia), two conical molds, EN and ASTM, and a glass plate to hold the conical mold. Power supply is: 220-240V 1 Ph 50Hz. Dimensions: 15.75" x 7.87" x 18.5" (400 x 200 x 470mm). Weight: 28.6 lb (13kg).



### Replacement and Alternative Parts for Vicat Apparatuses

Use with Vicat Model & Description	Model
<b>Plungers</b>	
Use with H-3050—Replacement plunger, includes plunger, needle & indicator	H-3055
Use with H-3050, H-3090—Replacement plunger, includes plunger & bushings	H-3110
Use with H-3050, H-3120—Replacement plunger, includes plunger & bushings	H-3130
Use with H-3135—Replacement plunger, includes plunger, cone, indicator & spacers	H-3135.1
<b>Needles</b>	
Use with H-3050—1mm dia. stainless steel with knurled threaded holder	H-3070
Use with H-3050—1.13mm dia. stainless steel with knurled threaded holder	H-3072
Use with H-3050—Determination of initial and final setting of cement. Needle has an air vent and an annular attachment	H-3075
H-3085—2mm stainless steel vicat needle	H-3147
<b>Weights</b>	
Use with H-3060—Replaces 1mm needle. Threaded one end Provides 400g uncalibrated total weight.	H-3061
Use with H-3090—One end bored to fit over 1/4" (6.4mm) dial. plunger shaft; 100g to increase weight of plunger furnished with H-3090 to 150g	H-3100
Use with H-3137—One end bored to fit over plunger. Total weight: 15g	H-3136
Use with H-3135 and H-3134—One end bored to fit over plunger. Total weight: 65g	H-3138