ACME PENETROMETER

ASTM C 403, AASHTO T 197

Hydraulic reaction-type apparatus for determining the setting time of concrete with slump greater than zero by testing mortar sieved from the concrete mixture. It also determines the effects of variables such as temperature, cement, mixture proportions, additions and admixtures upon the time of setting and hardening of concrete. The penetrometer's design makes it easy to operate, being more efficient, with a longer gear rack. All needles are one length so settings may remain the same. Loads are applied hydraulically with pressures read on a 200 lbf (890N) capacity gauge graduated in 2 lbf divisions. Set of six needles allows multiplication to a maximum reading of 8000 lbf. The Acme penetrometer features cast aluminum base and set of stainless steel penetration needles in a wooden block (bearing area: 1, 1/2, 1/4, 1/10, 1/20 and 1/40 sq. in., (645, 323, 161, 65, 32 and 16mm2). Includes 100 laboratory test data reporting forms. Meets ASTM C403; AASHTO T197

Needle Set

Set of six, stainless steel needles and holding block for use with Acme Penetrometer.

645 mm² , 323 mm² , 161 mm² , 65 mm² , 32 mm² , 16 mm²

SPECIFICATIONS:

Product Code	:	BCO-119/2
Weight	:	27 kg

VEBE TIME

EN 12350-3, ASTM C1170, UNI 9419

This is a variation of the slump test, in this method the sample is subjected to sinusoidal vibration. It includes a determination of the workability of concrete. The assembly is mounted upon a small vibrating table operating at a fixed amplitude and frequency.

SPECIFICATIONS:

Product Code	:	BCO-103 Vebe Set
	:	BCO-103/1 Cone
	:	BCO-101/4 Tamping Rod 16 x 600 mm
	:	BGE-606/ Stopwatch
Power	:	220V 50Hz
Weight	:	50 kg
Dimensions	:	600 x 470 x 750 mm