



ICON INSTRUMENTS COMPANY

(Manufacturer of Laboratory Equipment)



BLAINE'S AIR PERMEABILITY APPRATUS

In soil machines Permeability is one of the important Engineering properties, as it governs rate of settlement of saturated compressible soil layer and rate of flow of equifer. Permeability is that property of soil which permits flow of water through its interconnection voids. The instrument to measure permeability is called permeameter. The results are used for pumping ground water, for foundation sites excavations, design of dams etc. Tests can be performed on remolded or undisturbed samples using constant head or falling head method.

PERMEABILITY APPARATUS

The equipment comprises one each Gun metal mould, 100 mm I.DX127.3mm highX1000 ml volume. Gun metal mould extension collar, 100mm dia x 60 mm high for the above mould. Gun metal Drainage base plate with a recess for a porous stone and with an outlet valve. Metallic clamping ring. Gun metal drainage cap(top plate with a recess for a porous stone and fitted with an inlet valve and an air release valve). Gun metal dummy plate to serve as a false bottom during compaction. Porous stone for drainage cap. Porous stone for base plate. Set of glass stand popes approx. 6mm dia., 10mm dia and 20mm dia mounted on a wooden board. Each glass tube is longer than 1 meter and has a serrested end at the bottom . To read water head 2 nos. meter scales are fixed between the tubes. A length of 3 meter long rubber tubing with pinch cock is also supplied

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