



Combination Permeameter, 2.5" (63.4 mm)

Code: 25-0623

Product Group: [Combination Permeameter Constant or Falling Head](#)

- Plated steel chamber head assembly
- Corrosion-resistant cast aluminum base assembly
- Includes accessories for conducting both constant and falling head permeability studies

This combination permeameter has a transparent plastic chamber for soil specimens of either fine-grained or coarse-grained soils. Generally, soils containing 10 percent or more particles passing a 75 μm sieve are tested using the falling head assembly. More granular soils, containing 90 percent or more particles retained on the 75 μm sieve, are tested using the constant head assembly.

The cell is sealed at the top so that a vacuum may be used to saturate the specimen. Porous stones located at the top and bottom of the cell prevent sample flaking or washout. For constant head tests, a plastic funnel reservoir is mounted on an upright attached to the cell, providing a maximum head of 550 mm. Falling head tests are performed using the graduated pipette falling head reservoir, which gives a maximum head of 1000 mm and is graduated 0.2 ml.

Specification

Specimen size	63.5 x 140 mm (dia x l max)
Chamber	Transparent plastic, single section
Base	Cast aluminium
Top seal	Plated steel with gaskets
Porous Stones	62.7 x 12.7 mm (diameter x thickness)
Constant head	Plastic, funnel reservoir, 550 mm maximum head
Falling head	Graduated pipette, 100 ml x 0.2 ml, 1000 mm maximum head
Weight kg	5
Specimen Size	2-1/2" diam. x 5-1/2" l. max. (63.5 x 140 mm).
Capacity	Clear lucite; 1/4" (6.3 mm) wall; single section.
Base	Cast aluminium.
Top Seal	Plated steel with gaskets.
Porous Stones	Mounts at top and bottom;

Constant Head	2.47" diam. x 1/2" thick (62.7 x 12.7 mm); 105-120 permeability rating; 300 micron, average pore size. Plastic; funnel reservoir; 55 cm maximum head.
Falling Head	Graduated pipette; 100 mm x 0.2 mm; 100 cm. maximum head.
Weight	Net 11 lbs. (5 kg).

Spares/Consumables



Porous Stone 2.47" x .50"

Code: T-308

Alternatives



Constant Head Sand/Gravel Permeameters, 3" (76.2 mm)

Code: 25-0562