

CONSTANT HEAD PERMEAMETER SET

STANDARDS: ASTM D2434, BS 1377:5, AASHTO T215

Used to determine the permeability of granular, gravel and sandy soils.

The specimen is formed in an acrylic permeability cell and water is passed through it from a constant level tank.

The permeability cell has pressure points at different levels which are connected to the manometer tubes fixed on a stand with graduated scale.

Two Constant Head Permeability Cells are available; Ø75 mm and Ø114 mm.

Constant head permeability cell Ø75 mm, with three pressure take-off points. Formed by an acrylic Plexiglas body held between two aluminum anodized end plates. Supplied with 2 pieces Perforated plates and 2 pieces No.100 screen.

Constant head permeability cell Ø114 mm, with six pressure take-off points and an additional six blanked-off pressure points. Formed by an acrylic Plexiglas body held between two aluminum anodized end plates. Supplied with 2 pieces Perforated plates and 2 pieces No.100 screen.

The Stand, comprising 3 pieces Ø6 mm x 1 m long Manometer Tubes of constant bore, graduated scale, Rubber Tube and Connectors.

Constant Level Tank, made from acrylic Plexiglas, wall mounting, is used to provide constant water level in the manometer tubes. The inlet, outlet and overflow pipes can be adjusted for height within the tank.

HR-S5800 Model, Supplied complete with Ø 75 mm Constant Head Permeability Cell, Stand with 3 pieces Manometer Tubes, Constant Level Tank, Rubber Tube and 1 m Steel Ruler.

HR-S5810 Model, Supplied complete with Ø114 mm Constant Head Permeability Cell, Stand with 3 pieces Manometer Tubes, Constant Level Tank, Rubber Tube and 1 m Steel Ruler.



Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S5800	Constant Head Permeameter Set, Ø 75 mm	30x10x170	15
HR-S5810	Constant Head Permeameter Set, Ø 114 mm	40x10x170	20

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S5800/1	Constant Head Permeability Cell, Ø 75 mm	Ø8x40	3
HR-S5810/1	Constant Head Permeability Cell, Ø 114 mm	Ø15x70	7
HR-S5800/2	Stand with 3 pieces Manometer Tubes	22x7x170	6
HR-S5800/3	Constant Level Tank	35x35x35	2
HR-S5800/5	Rubber Tube	---	---
HR-G0478	Steel Ruler, 1 m	100	---
HR-G0762	Tamping Rod	Ø 0,8 x 30	0,5