

## Permeability

### Constant Head Permeability Set

#### UTS-1300

The UTS-1300 Constant Head Permeability Set is used to examine the behaviour of relatively coarse-grained soil such as gravel and sands, in its natural conditions with respect to water flow.

The Constant Head Permeability Set is supplied complete with;

- $\varnothing$  80 mm or  $\varnothing$  120 mm Permeability Cell with Pressure Points at 3 different levels and 2 pcs. Wire Gauze ( fit for the preferred cell dia. )
- Wooden Stand with 3 manometer tubes
- 3 m Hose



UTS-1300



UTS-1320

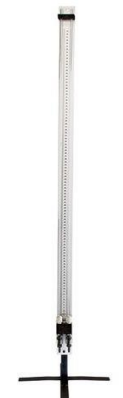
### Falling Head Permeability Set

#### UTS-1320

The UTS-1320 Falling Head Permeability Set is used to examine the behaviour of soil with respect to water flow. It is particularly used with fine-grained soils such as clay-like or silty soils.

The UTS-1320 Falling Head Permeability Set is supplied complete with;

- $\varnothing$  100 mm Falling Head Permeability Cell
- Wooden Stand with 4 manometer tubes
- Soaking Reservoir Tank
- 3 m Hose



UTS-1400



UTS-1500

### Permeameter Stand

#### UTS-1400

When used together with UTS-1401  $\varnothing$  4" or UTS-1402  $\varnothing$  6" Compaction Permeameters, the UTS-1400 Permeameter Stand is used to measure the water permeability of compacted soil samples such as clay, gravel, sand etc.

### Pinhole Test Apparatus

#### UTS-1500

Water flowing through fine-grained soils with high sodium content makes them highly erodible.

The erodibility of clay soils can be measured using the UTS-1500 Pinhole Test Apparatus. This is done by flowing water through a small hole which has been drilled through the compacted specimen.

The apparatus comprises of a cylindrical metal container fitted one end with a water inlet and the other end with an outlet connection, a standpipe tube with scale and a stand to support the apparatus.

## About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

- NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing
- Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal
- Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers