



# armfield

## DRAIN PERMEAMETER

**FEL10**  
Provisional

*For the laboratory investigation of field drain filter materials*

### INSTRUCTIONAL CAPABILITIES

As a result of using this equipment students will be able to:-

- determine relative efficiencies of drain filter materials.
- select optimum filter/soil combinations.

### ORDERING SPECIFICATION

*Drain permeameter comprising: acrylic column, 100mm diameter supported on a metal stand; removable test section is provided at the base of the column to house the filter medium to be tested; the apparatus, which may be bench-mounted, is supplied complete with user instructions and manuals.*

### OVERALL DIMENSIONS

Height: 1.19m  
Width: 0.35m  
Depth: 0.40m

### SHIPPING SPECIFICATION

Volume: 0.5m<sup>3</sup>  
Gross weight: 80kg

### DESCRIPTION

The Armfield drain permeameter is suited for use both as a teaching and demonstration tool and for laboratory testing and research. The equipment consists of a 100mm diameter transparent column which may be filled with any soil type. A removable base section is provided into which the filter material to be investigated is placed.

Water is added to the column under a constant head and permeating water and soil is collected at the base. The discharge from the drain can be monitored to assess the efficiency of the filter material.

The apparatus is supported on a sturdy metal frame and may be conveniently placed on a laboratory bench close to a water supply and drain.

### SERVICES REQUIRED

*Cold water supply*

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