

Product Name :
Permeability Test Bench

Product Code :
NLAB-EDUCATIONTVET14016



Description :

Permeability Test Bench

Technical Specification :

Mild steel tank bottom

Transparent lateral face maintained and sealed according to a proven method allowing easy access to the interior of the tank while giving maximum visibility

The other aluminum side allowing the insertion of pressure taps if necessary

Two adjustable overflows are arranged at each end of the tank and allow constant water levels to be maintained upstream and downstream of the permeable structure studied.

These overflows can be lowered almost to the level of the bottom of the tank, especially for underground drainage experiments

The device is completely autonomous, it is supplied with water from a storage tank and a feed pump arranged in the base of the device

The following issues can be investigated:

- Drainage under a construction, a dam for example, without waterproofing foundation

- Flow under a sheet pile curtain
- Depression of the water table: result of pumping a well
- Underground drainage system
- Distribution of lifting pressures on hydraulic structures
- Demonstration of the conditions of moving sand in a trench

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