



## UNIVERSE PERMEABILITY APPARTUS (THREE CELL MODEL) AZA1143

The Azalab Permeability Apparatus (AZA1143) is a laboratory-grade system designed to determine the coefficient of permeability of soils with high accuracy and reliability.

Featuring a three-cell configuration, the unit allows simultaneous testing of multiple soil samples, significantly improving efficiency and enabling comparative analysis. It supports both constant head (for coarse soils) and falling head (for fine soils) methods in compliance with IS 2720 (Part 17).

### Key Features

#### Three-Cell Configuration

- Enables simultaneous testing of three soil samples

#### Dual Test Capability

- Supports both constant head and falling head methods

#### Transparent Acrylic Cells

- Provides clear visibility of soil and water flow

#### High Precision Measurement

- Equipped with accurate manometers, valves, and tubing

#### Rigid & Durable Construction

- Corrosion-resistant frame for long-term use

#### User-Friendly Operation

- Easy setup and minimal maintenance

#### Standards Compliant

- Conforms to IS 2720 (Part 17)





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**TECHNICAL SPECIFICATIONS**

<b>Feature</b>	<b>Specification</b>
Model No.	AZA1143
Type	Three-Cell Permeability Apparatus
Number of Cells	3
Test Methods	Constant Head / Falling Head
Cell Material	Transparent Acrylic
Manometers	3 sets (one per cell)
Standards	IS 2720 (Part 17)
Accessories	Tubing, clamps, valves, filter papers
Weight	Approx. 25 – 30 kg
Mounting	Bench-top configuration

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