

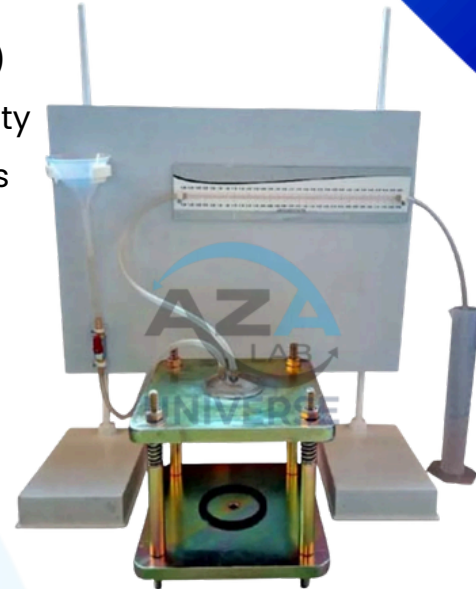


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INITIAL SURFACE ABSORPTION TEST (ISAT) APPARATUS AZA1108

The AZA1108 ISAT Apparatus is a precision-engineered testing system designed to measure the Initial Surface Absorption (ISA) of hardened concrete, a critical parameter in assessing durability and permeability. This test determines the rate at which water is absorbed through the concrete surface under controlled conditions, providing valuable insight into surface porosity and long-term structural performance.

Compliant with BS 1881-208, the apparatus ensures accurate, repeatable, and standardized results, making it an essential instrument for civil engineering laboratories, quality control departments, and research institutions.



Key Features

- High-Accuracy Measurement – Precise evaluation of surface water absorption
- Standards-Compliant – Conforms to BS 1881-208
- Capillary Tube System – Ensures controlled and consistent water flow
- Time-Based Readings – Measurements at 10, 30, and 60 minutes
- Durable Construction – Rust-proof, powder-coated frame
- Reliable Performance – Suitable for routine and advanced testing
- User-Friendly Setup – Easy assembly and operation



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TECHNICAL SPECIFICATIONS

Feature	Specification
Model	AZA1108
Test Type	Initial Surface Absorption Test (ISAT)
Standard Compliance	BS 1881-208
Water Head Height	Adjustable (typically 200 mm)
Measurement Intervals	10, 30, 60 minutes
Measurement Unit	ml/m ² /sec
Sample Size	Typically 150 × 150 mm concrete cubes
Components Included	Capillary tube, reservoir, stand, timer, sealing fittings
Frame Material	Powder-coated, rust-proof metal
Accuracy	High precision

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