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RAPID CHLORIDE PERMEABILITY TESTER AZA1144

The Azalab Rapid Chloride Permeability Tester (AZA1144) is a high-precision system designed to evaluate the resistance of concrete to chloride ion penetration, a critical factor in long-term durability of reinforced concrete structures.

Engineered in full compliance with ASTM C1202, this system performs Rapid Chloride Permeability Tests (RCPT) and delivers reliable results within 6 hours, enabling faster decision-making in quality control and research environments.



Key Features

Six-Cell Testing System

- Simultaneously tests up to six specimens for higher productivity

ASTM C1202 Compliant

- Ensures globally accepted and reproducible results

Digital Monitoring System

- Real-time voltage and current measurement

Leak-Proof Acrylic Cells

- Precision cells with sealing gaskets and electrode chambers

Advanced Safety Mechanisms

- Overcurrent protection, thermal cut-off, emergency stop

Durable Construction

- Stainless steel body with corrosion-resistant components

Optional Data Logging Software

- Automated recording, graphing, and report generation



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TECHNICAL SPECIFICATIONS

Feature	Specification
Model No.	AZA1144
Test Standard	ASTM C1202
Number of Cells	6
Voltage Output	0 – 60 V DC
Current Range	0 – 1000 mA per cell
Test Duration	6 hours
Display	Digital Voltmeter & Ammeter
Data Logging	Optional PC-based software
Body Material	Stainless Steel
Cell Material	High-grade Acrylic
Safety Features	Overcurrent Protection, Thermal Cut-off, Emergency Stop