



RAPID CHLORIDE PERMEABILITY TESTER

Standard: ASTM C1202 / AASHTO T277 / ASTM 1760

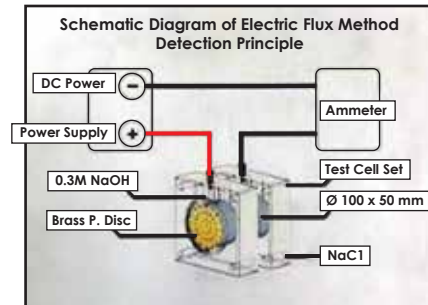
The **Rapid Chloride Permeability Tester** independently developed has a friendly human-machine interface. It is used for testing the durability of concrete exposed to chloride-contaminated environment. The test fixture design is suitable for both cube and cylindrical concrete test blocks, and the sample installation time is very short; the test uses corrosion-resistant electrodes, which can be used for a long time. With automatic acquisition, measurement and control system, the test results are very accurate. The method for evaluating the ability of concrete to resist chloride ion penetration is referred to as the electric flux method.

To proceed testing, a NL 4051 X / 001 – P004, Vacuum Saturation Apparatus is required.

Features

Ability of testing concrete:

- Bulk electrical conductivity of concrete based on ASTM C1760.
- Concrete ability to resist chloride ion penetration-based ASTM C1202 and AASHTO T277.
- Estimation of chloride diffusion coefficient of concrete.
- Estimation of chloride migration coefficient of concrete.
- All data can be transfer to Excel file.



Intelligent Interface

Technical Specifications :

Model Number	NL 4051 X / 001
Measuring Channel	6 Test Pieces
Applied Voltage	60 ± 0.1V
Measuring Time	6 Hours
Range of Current Measurement & Accuracy	0 - 500 mA ± 0.1
Data Transfer	U Disk Uploaded
Dimension (mm) / Weight (Device)	300 (L) x 300 (W) x 200 (H) / 9kg
Dimension (mm) / Weight (Test Cell Set)	160 (L) x 150 (W) x 100 (H) / 1.2kg per set
Operation Voltage	240 V, 50 / 60 Hz, 1pH

NL 4051 X / 001 - P 004

Vacuum Saturation Apparatus

It is specially designed for the electric flux tester and the diffusivity method testing equipment for the early saturation and salt saturation, which can complete the whole process of saturation automatically.

Features

- 2.0-inch high-resolution colour LCD screen (220x176 pixels).
- Parameters can be set on site.
- Built-in large-capacity lithium battery, low power able to work continuously for more than 60 hours after the battery is fully charged.
- USB data transmission, can upload the stored data on the computer through the USB cable.
- PC professional data analysis software, data processing and report generation can be easily completed.



Unit Consist Of :

Model Number	Parts Description	Qty
NL 4051 X / 001 - P 001	Rapid Chloride Permeability Tester Kit	1 set
NL 4051 X / 001 - P 002	Test Cell Set	6sets
NL 4051 X / 001 - P 003	U Disk Data Interpretation Software	1 set
NL 4051 X / 001 - P 004	Vacuum Saturation Apparatus	1 unit