

geolometer

ROCK SOLIDLY RELIABLE



GL-CC 101

Concrete fast freeze thaw box

PRODUCT APPLICATION

The Concrete Fast Freeze-Thaw Box is ideal for rapidly testing the durability of concrete under extreme temperature changes. Designed for labs, research centers, and quality control, it simulates harsh freeze-thaw cycles to ensure your materials meet performance standards and stand the test of time.

Product Specifications

SPECIFICATIONS	GL-CC 101
Compressor Cooling Method	Wind cooling
Number of Tests (Parts)	28
Test Size (L x W x H)	100 × 100 × 400 mm
Freezing End Time / Center Temp	1.5-2.5 h / $-18 \pm 2^{\circ}\text{C}$
Melting End Time / Center Temp	1.0-2.0 h / $5 \pm 2^{\circ}\text{C}$
Freeze Cycle Duration	2.5-4 h; melting $\geq 1/4$ of total cycle time
Temp Diff (Center vs Surface)	$< 28^{\circ}\text{C}$
Number of Cycles	300 (adjustable)
Temperature Recorder	LCD touch screen
Freeze/Thaw Medium	-45°C antifreeze
Medium Charge Capacity	90 kg
Refrigeration Compressor	Imported, closed, 8.5 HP
Test Bucket Size (L x W x H)	115 × 150 × 490 mm
Heating Power	9 kW
Max Operating Power	11 kW
Power Supply	AC 380V $\pm 10\%$, 50 Hz
Dimensions (L × W × H)	1870 × 1370 × 1000 mm