



# Salt Spray Test Chamber LSSC-B10

Salt Spray Test Chamber LSSC-B10 is a cyclic corrosion test chamber to study salt spraying, drying, damp heat effects on sample kept in chamber under controlled environmental conditions of temperature and humidity using programmable colour LCD touch screen controller. With 780 L capacity chamber design 10 to 90°C temperature range, 30 to 98% RH humidity range, and 1 to 2 ml/ 80 cm<sup>2</sup> hour of salt fog deposition range is offered as test condition. The spraying system features atomized tower and spray nozzles, salt fog collector, and fog measure cylinder. Specific angle designed lid prevents dripping of condensed water on the sample kept in chamber.

## Features

- ❑ 780 L capacity chamber, 10 to 90°C temperature range, 30 to 98% RH humidity range, and 1 to 2 ml/ 80 cm<sup>2</sup> hour of salt fog deposition range
- ❑ Glass fiber reinforced plastic material with anti-corrosion, high toughness, leakage protection properties
- ❑ Specific angle designed lid prevents dripping of condensed water on the sample kept in chamber
- ❑ Programmable colour LCD touch screen controller, Ethernet connection, PC Link, USB
- ❑ PT100 temperature sensor, Dry and Wet Bulb (Humidity) Sensor, for accurate readings
- ❑ Use of Nichrome heater as heating element
- ❑ 800×300 mm size view window, easy to view sample processing
- ❑ Casters for easy movement of chamber

## Application

Salt Spray Test Chamber (Cyclic Corrosion Test Chamber) used to test the effect of salt spraying on the sample under set environmental conditions of temperature and humidity. Widely used across automotive, electronics, chemical coatings, construction sites, military for quality testing of various parts and components.

## Specifications

Model	LSSC-B10
Capacity	780 L
Salt Fog Deposition	1 to 2 ml/ 80 cm <sup>2</sup> hour
Air Preheating	Saturated air barrel (31 L)
Spraying System	Atomized tower and spray nozzles
Salt Fog Collection	Fog collector and fog measure cylinder
Temperature range	10 to 90°C
Temperature fluctuation	± 0.5°C
Temperature deviation	± 2.0°C
Humidity range	30 to 98% RH
Environmental Condition	+5 to 35°C Ambient temperature, ≤ 85% RH
Temperature sensor	PT100
Humidity sensor	Dry and Wet Bulb Sensor
Cooling System	Mechanical compression refrigeration system, French TECUMESH compressor, R404A refrigerant
Heating Element	Nichrome heater
Humidity	Humidifier: External isolation, stainless steel surface evaporation humidifier, Water purification system
Controller	Programmable color LCD touch screen controller, Ethernet connection, PC Link, USB
View Window Size	800×300 mm
Air Circulation	Centrifugal wind fan
Material	Glass Fiber Reinforced Plastics
Standard configuration	8 round bars

Maximum noise	65 dBA
Safety device	Humidifier Dry-combustion Protection, Over-temperature Protection, Over-current Protection, Water Shortage Protection, Earth leakage Protection
Power supply	380 V, 50 Hz, 3 Phase
Internal dimensions (D×W×H)	800×1450×680 mm
External dimensions (D×W×H)	1400×2600×1650 mm
Packing dimensions (D×W×H)	1480×2730×1820 mm
Gross weight	657 kg

## Spare Parts

- ❑ Spray nozzle- 1 pc
- ❑ Fog collector- 1 pc
- ❑ Salt- 1 bottle
- ❑ Saturated barrel heating tube- 1 pc
- ❑ Contactor- 1 pc
- ❑ Wet wick- 1 roll