



## Salt Spray Testing Machine (Button Operation) Model: ADL-SST02

### Equipment Summary

Salt spray testing machine used to test the corrosive resistance of products whose the surface was treated with paint, electroplating, inorganic and organic film, anode handling, anti-rust oil, etc.

### Corresponding Standard

1. GB/T 2423.17-1993 salt spray test
2. GB/T 2423.18-2000 salt spray test
3. GB/T 10125-1997 salt spray test
4. ASTM.B117-97 salt spray test
5. JIS H8502 salt spray test
6. IEC68-2-11 salt spray test
7. IEC68-2-52 1996 salt spray test
8. GB.10587-89 salt spray test
9. CNS.4158 salt spray test
10. CNS.4159 CASS Accelerated acetic acid copper salt spray test
11. GB/T 12967.3-91 CASS Accelerated acetic acid copper salt spray test



### Technical Parameters

Model	ADL-SST02(108L)	ADL-SST02(270L)	ADL-SST02(360L)
Inside Box Size (CM)	60x45x40	90x60x50	90x80x50
Outside Box Size (CM)	107x60x118	141x88x128	141x117x128
Testing Room Temperature	Salt test (NSS ACSS)35°C±1°C/ Corrosion Test (CASS)50°C±1°C		
Pressure Barrel Temperature	Salt test (NSS ACSS)47°C±1°C/ Corrosion Test (CASS)63°C±1°C		
Brine Temperature	35°C±1°C 50°C±1°C		
Testing Room Capacity	108L	270L	360L
Brine Tank Capacity	15L	25L	35L
Salt Concentration	The concentration of sodium chloride 5% or the 5% concentration of sodium chloride add 0.26g per liter of copper chloride (CuCl <sub>2</sub> 2H <sub>2</sub> O)		
Air Pressure	1.00±0.01kgf/cm <sup>2</sup>		
Spray Volume	1.0~2.0ml/80cm <sup>2</sup> /h (working at least 16 hours, and then take the average)		
Testing Room Relative Humidity	85% above		
PH	6.5~7.2 3.0~3.2		
Spray Form	Programmable spray (Including continuous and intermittent spray)		
Power	AC220V1Φ10A	AC220V1Φ15A	AC220V1Φ20A

### AdLab Instruments Co., Ltd

★ RM 602, 6/F, Kaiyue Comm Building, No.2C, Argyle Street, Mongkok Kowloon, Hong Kong

🇮🇪 20A Cuil Na Carriage, Ballymakeera, Co-Cork, Ireland (EU)

✉ info@adlabinstruments.com 🌐 www.adlabinstruments.com

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### Detailed Configurations as Follows

#### 1. Machine Material:

- (A) testing room using PVC polyvinyl chloride plate (from Taiwan), acid-resisting and alkali-resisting, cleaning easier.
- (B) cover of testing room using acrylic panels (imported organic glass), the thickness is 5mm.
- (C) reagents added bottles attached with water gauge, cleaning easy and not easy to break.
- (D) saturated air barrels is made of SUS # 304 stainless steel.
- (E) testing room to adopt indexing frame, can be arbitrarily adjust the angle, Surrounded by fog and placed more piece .

#### 2. According To CNS JIS ASTM GB2423.19 Specifications, Can be Set Constant Temperature To Control

<b>Salt Spray Test</b>	NSS, ACSS
1. testing room	35°C ± 1°C
2. saturated air barrels	47°C ± 1°C
<b>Anti-Corrosion Test</b>	CASS (copper acetate)
1. testing room	50°C ± 1°C
2. saturated air barrels	63°C ± 1°C

#### 3. Air Supply System: air pressure 1Kg/cm2 Two-stage adjustments (coarse / fine-tuning)

- (A) the first paragraph for the rough adjustment 2-2.5Kg/cm2, the second paragraph to fine-tune 1Kg/cm2.
- (B) Testing configuration is switch connector designed for SO2.

#### 4. Spray Form

- (A) Using Bo Nute principle to draw brine and then saline spray, atomization uniform, non-blocking and crystallization, so that ensure continuous spraying.
- (B) Nozzle: The nozzle is made of special glass, adjust spray volume and spray angle.
- (C) spray volume: Adjustable 1 ~ 2ml (80cm2/hr) (average of 16-hour volume).

#### 5. Heating Devices

By direct heating, warming up faster and reduction of standby time, when the temperature arrives automatically switch ON / OFF, make temperature accuracy, low power consumption (heating tube is made of titanium alloy).

#### 6. The Control System

- (A) testing room temperature controller is the digital micro-computer products 0-99.9 °C, liquid crystal digital display with PID automatic calculation, the control error is ± 0.3 °C (YANG MING6802) 1 pcs.
- (B) saturated air barrels controller 0 ~ 99.9 °C, liquid crystal digital display with PID automatic calculation, the control error is ± 0.3 °C (YANG MING6802) 1 pcs.
- (C) safe temperature controller of heat expansion of the liquid tank 30 ~ 110 °C (Italy) 1 pcs.
- (D) safe temperature controller of expansion of the saturated air barrel : 30 ~ 110 °C (Italy) 1 pcs.
- (E) digital time controller 9.9s ~ 9990hr (Taiwan) 1 pcs.



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- (F) timer 0 ~ 9999hr (Taiwan Anliang) 1 pcs.
- (G) buckle switch, continuous buckling 20000 times.
- (H) 60 type, 90 type for manual flip, 120, 160, 200 type for the pneumatic cylinder automatic opening and closing.
- (J) pressure gauge, (Taiwan B card).
- (K) fixture bleaker (YANG MING).
- (L) electromagnetic valve; (KSD).
- (M) regulating valve (YIHUA).
- (N) bleaker (Omron).

### 7. Add Water Systems

Using automatic water replenishment system, automatic replenishment when the water level is too low.

### 8. Safe Protective Device

- (A) low water level, automatically cut off power supply.
- (B) over-temperature, automatic cut off the power supply.
- (C) attached to the safe warning light device.

### Interior Products

- |                               |         |                                |                           |
|-------------------------------|---------|--------------------------------|---------------------------|
| • Spray tower                 | - 1 set | • Temperature indicator needle | - 2pcs                    |
| • Shelf                       | - 6pcs  | • Collector                    | - 2pcs                    |
| • Disposal bar                | - 8pcs  | • Glass nozzle                 | - 1 pc                    |
| • Standard measuring cylinder | - 2pcs  | • Humidity cup                 | - 1 pc (change regularly) |
|                               |         | • Demist system                | - 1 set                   |

### Machine Detailed Picture



*\*Technical Data Subject to change without notice.*

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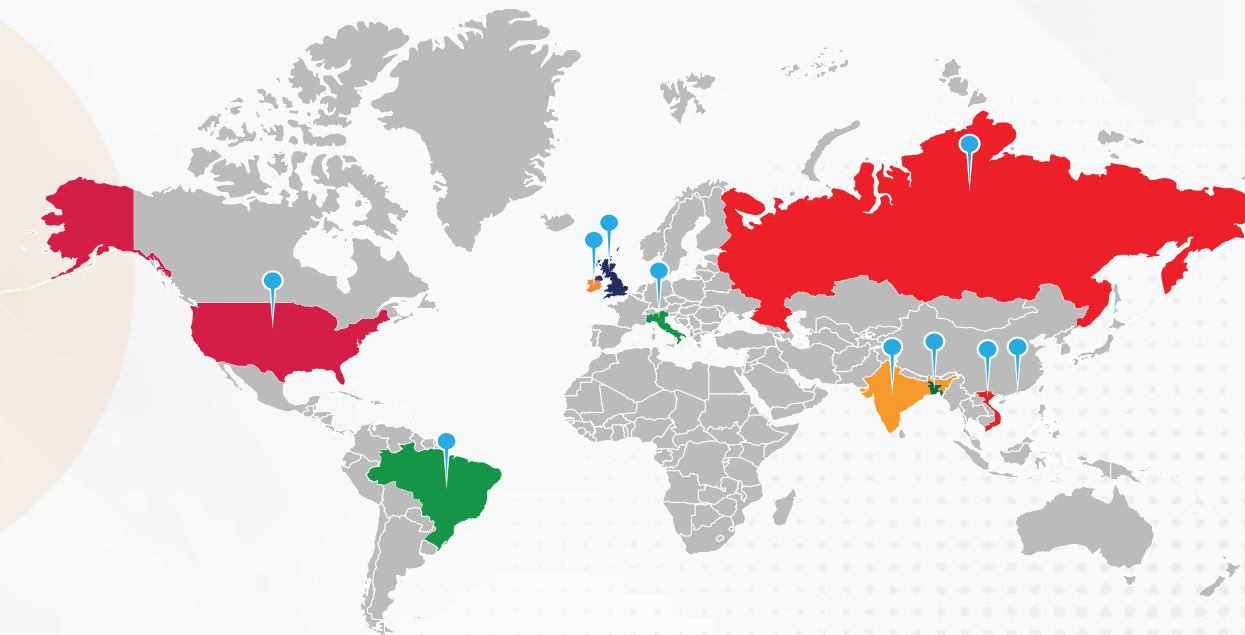
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