

# Conforms to the latest version of ISO 9227:2022.

## Salt Spray Test Instrument STP-100

The TM Mist Saving Dispersion Tower sprays a salt solution uniformly into the test chamber to test the corrosion resistance of metal materials and surface treatments.

TM is a symbol of Suga Test Instruments' proprietary technology



This is image only. Appearance subject to change. In addition, the control panel is a special specification with additional options.

01

**Uniform temperature  
distribution & Stable  
salt concentration/pH**

Adoption of Dual Heating  
System® & Air barrier board

02

**Large capacity  
for test specimens**

Number of specimens : 72 pcs.  
Body size is the same as the  
conventional model

03

**Easy maintenance  
structure**

Improved workability such as  
solution replenishment and  
cleaning

## Conforming to the latest ISO 9227:2022

Complies quickly with the latest international standards. It is useful for quality control and acceptance inspection based on the latest standards.

## Uniform temperature distribution and stable salt concentration and pH

Fluctuations in the salt concentration and pH of the solution in the solution tank are suppressed by the air barrier board. A new temperature control system "Dual Heating System™" achieves uniform temperature, spray distribution, and stable salt concentration/pH.

Dual Heating System™ is Suga Test Instruments Co.,Ltd.'s trade mark

## Large capacity for test specimens

Number of specimens is 72 pcs. Compared to the conventional model (STP-90V-6), 8 more test pieces can be installed. With this compact size, it can be installed in the same space as conventional models (STP-90V-5 and earlier).

## Easy maintenance structure

The solution tank and air saturator are integrated on the right side to improve workability such as solution replenishment and cleaning.

## Established traceability with international measurement standards

ISO/IEC 17025<sup>※1</sup> accredited calibration certification can be issued for spray pressure gauge, temperature sensor, air saturator sensor.

※1 ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories

## Specification

	STP-100
Temperature	35 ± 1°C
Number of specimens	72 pcs. ( 150 × 70 × t1mm, when the distance 3mm between left/right side of specimens)
Mounting angle	15° or 20° (from perpendicular)
Test chamber dimension	Approx. W 100 × D 60 × H 40cm
Specimen rack withstanding load	7.0 kgf
External dimension	Approx. W 159 × D 95 × H 144cm( with lid open H 170cm)
Operating weight	Approx. 210kg
Applied standards	ISO 9227, JIS Z 2371, IEC 60068-2-11, JIS C 60068-2-11, JIS K 5600-7-1, ASTM B117 <sup>※2</sup> etc.

※2 Required option

## Option

- Changing the specimen holding angle (6°, 30° etc.)
- Specimen frame for specimen size (other than 150 × 70 × 1mm)
- Withstand load of duck load/Withstand load of specimen rack
- Net (resin) sample stand (for small specimens)
- Change position of mist dispersion tower
- Change position of mist collector
- Setting operating time
- Setting spray/stop spray
- Automatic water supply for air saturator
- Access port ( φ 50mm)
- Test chamber air purge time saving
- Spray gun for cleaning test chamber
- Air compressor
- Automatic drain for air compressor
- Automatic drain for air pressure reducing valve
- Solution tank SP-1:Capacity Approx. 30L with air barrier board
- Solution supplier SS-2: Capacity Approx. 100L with air barrier board
- Exhaust treatment EF-1R
- TM type water filter SW-5G
- Suga Super Salt
- Corrosion reference test specimen (ISO 3574 CR4)
- ISO/IEC 17025 calibration (including certificate)
  - Platinum resistance thermometer (temperature sensor for chamber/air saturator)
  - Spray pressure gauge



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## CASS Test Instrument CAP-100

The TM spray saving prevention spray dispersion tower sprays CASS liquid uniformly in the test chamber to test the corrosion resistance of metal materials and surface treatments.

TM is a symbol of Suga Test Instruments' proprietary technology



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01

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Adoption of Dual Heating  
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Body size is the same as the  
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## Conforming to the latest ISO 9227:2022

Complies quickly with the latest international standards. It is useful for quality control and acceptance inspection based on the latest standards.

## Uniform temperature distribution and stable salt concentration and pH

Fluctuations in the salt concentration and pH of the solution in the solution tank are suppressed by the air barrier board. A new temperature control system "Dual Heating System™" achieves uniform temperature, spray distribution, and stable salt concentration/pH.

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## Large capacity for test specimens

Number of specimens is 72 pcs. Compared to the conventional model (CAP-90V-6), 12 more test pieces can be installed. With this compact size, it can be installed in the same space as conventional models (CAP-90V-5 and earlier).

## Easy maintenance structure

The solution tank and air saturator are integrated on the right side to improve workability such as solution replenishment and cleaning.

## Established traceability with international measurement standards

ISO/IEC 17025<sup>※1</sup> accredited calibration certification can be issued for spray pressure gauge, temperature sensor, air saturator sensor.

※ 1 ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories

## Specification

	CAP-100
Temperature	50 ± 1°C
Number of specimens	72 pcs. ( 150 × 70 × t1mm, when the distance 3mm between left/right side of specimens)
Mounting angle	15° or 20° (from perpendicular)
Test chamber dimension	Approx. W 100 × D 60 × H 40cm
Specimen rack withstanding load	7.0 kgf
External dimension	Approx. W 159 × D 95 × H 144cm( with lid open H 170cm)
Operating weight	Approx. 210kg
Applied standards	ISO 9227, JIS Z 2371, JIS H 8502 etc.

## Option

- Changing the specimen holding angle (6°, 30°etc.)
- Specimen frame for specimen size (other than 150 × 70 × 1mm)
- Withstand load of duck load/Withstand load of specimen rack
- Net (resin) sample stand (for small specimens)
- Change position of mist dispersion tower
- Change position of mist collector
- Setting operating time
- Setting spray/stop spray
- Automatic water supply for air saturator
- Access port ( φ 50mm)
- Test chamber air purge time saving
- Spray gun for cleaning test chamber
- Air compressor
- Automatic drain for air compressor
- Automatic drain for air pressure reducing valve
- Solution tank SP-1:Capacity Approx. 30L with air barrier board
- Solution supplier SS-2: Capacity Approx. 100L with air barrier board
- Exhaust treatment EF-1R
- TM type water filter SW-5G
- Suga Super Salt
- Corrosion reference test specimen (ISO 3574 CR4)
- ISO/IEC 17025 calibration (including certificate)
  - Platinum resistance thermometer (temperature sensor for chamber/air saturator)
  - Spray pressure gauge



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