

# Conforms to JASO M 609:2024

## Combined Cyclic Corrosion Test Instrument CYP-100

This is a combined cyclic corrosion test instrument capable of performing salt spray, dry, humidity, and open air tests either independently or in combination.



This is image only. Appearance subject to change.

01

**Compatible with  
test conditions  
worldwide**

Conforms to ISO, IEC, SAE, JIS  
and JASO standards

02

**Durable resin  
mistomizer**

Significantly improved durability

03

**More sustainable  
and easier to use**

Saving water usage compared  
to the previous model

## Compatible with test conditions worldwide

In addition to ISO, IEC, SAE, and JIS standards, it conforms to the latest automotive standard, JASO M 609:2024 (Japanese Automobile Standard) salt spray methods A, B, and C, published in 2024. Salt shower and salt immersion methods are available as options. Performance verification test (Ex-factory) includes testing based on JASO M 609:2024 salt spray methods A, B, and C, as well as ISO 14993\*1.

\*1Performance verification test (Ex-factory) is carried at our factory (with test reports included).

○ :Applied, OP:Applied with optional equipment, Blank cells are not specified in the standard.

	salt spray method	salt shower method	salt immersion method
A	○		
B	○	OP	
C	○	OP	OP

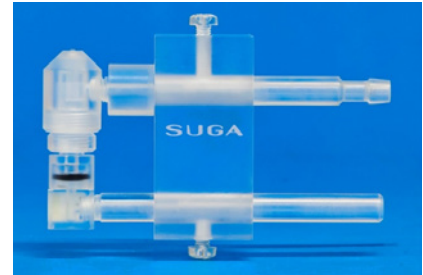
List of test conditions for JASO M 609:2024

## Durable resin mistomizer

Significantly improved durability with keeping the same spray performance.

## Large capacity for test specimens

The new model can test 64 test specimens. 6 more test specimens are installed compared to the previous model (CYP-90). The system is designed to ensure uniform salt spray distribution for all test specimens by natural fall.



Durable resin mistomizer

## Saving water usage by over 30%

Achieved over 30% water conservation compared to the previous model (CYP-90) by improved rinsing methods.\*2

\*2Based on calculations assuming ISO 14993 testing.

## Easy maintenance structure

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

## Testing with stable salt concentration and pH

The air barrier board suppresses the salt concentration fluctuations and pH variation in the solution tank.

## Established traceability with international measurement standards

ISO/IEC 17025\*3 accredited calibration certification can be issued for spray pressure gauge, temperature sensor, air saturator sensor. Users can handle the attachment and detachment of the calibration devices by themselves.

\*3 ISO/IEC 17025 : General requirements for the competence of testing and calibration laboratories

## Tests\*4

Salt spray	Spray amount $1.5 \pm 0.5\text{mL/h/80cm}^2$ (two locations), spray pressure $0.098 \pm 0.0025\text{MPa}$ , temperature $35 \pm 1^\circ\text{C}$ , Temperature $50 \pm 1^\circ\text{C}$
Dry	Temperature (RT + 10) - $70 \pm 1^\circ\text{C}$ , humidity $25 \pm 5\%\text{rh}$ (at $60^\circ\text{C}$ ), ambient air introducing method
Humidity	Temperature (RT + 10) - $60 \pm 1^\circ\text{C}$ , humidity $60 - 95 \pm 5\%\text{rh}$ (at $50^\circ\text{C}$ )
Open air	Approx. ambient temperature, no temperature and humidity control
High humidity	Temperature $50 \pm 1^\circ\text{C}$ , humidity $95\%\text{rh}$ or greater

\*4Tests vary depending on the test conditions specified.

## Specifications\*5

Specimen number, angle	64 pieces (Specimen dimension $150 \times 70 \times 1\text{mm}$ ), $15^\circ$ or $20^\circ$
Test chamber dimension	Approx. $100(\text{W}) \times 60(\text{D}) \times 50(\text{H})\text{cm}$
Specimen rack withstanding load	6kgf
Electric capacity	Three-phase 200V approx. 15A (50Hz/60Hz), ELB: 20A
External dimension	Approx. $194(\text{W}) \times 101(\text{D}) \times 157(\text{H})\text{cm}$ [177(H)cm when the top lid is opened]
Operating weight	Approx. 330 kg
Applied standards*6	JASO M 609:2024, JASO M 609-91, JASO M 610-92, ISO 14993, ISO 11997-1, IEC 60068-2-52, SAE J2334, JIS H 8502, JIS G 0594, JIS K 5600-7-9

\*5Specifications vary depending on the test conditions specified. \*6Additional optional equipment or customization is required depending on the test conditions.



**Suga Test Instruments Co.,Ltd.**  
www.suga-global.com

Head Office International sales Div.:  
5-4-14 Shinjuku, Shinjuku-ku, Tokyo, Japan, 160-0022  
TEL +81-3-3354-5254 FAX +81-3-3354-5275 MAIL i\_sales@sugatest.co.jp

Note that the specifications of the test instruments described in this catalog are subjected to change without notice due to improving. The test standards information on this catalog is those at the time this catalog was produced. Test standards are periodically reviewed and revised, please check the latest test standards.