

4. Corrosion Test Instrument with Light Test



CCT-RX Weather Test Chamber

Determines the outdoor resistance of large full-scale products

This combined cyclic test chamber simulates various harsh outdoor conditions (light, acid rain spray, dry, humidity, dew and low temperature) in combination of the user's choice. It is capable of testing large-sized materials and full-scale products such as automobiles and motorcycles.

Light source	Three xenon-arc lamps* WX7.5 (7.5 kW water-cooled type)
Test types	Light, acid rain, dry, humidity, dew, low temperature (single or cyclic)
Irradiance	60 W/m ² (wavelength at 300 to 400 nm)
Temperature range	-20 to 80°C, depending on test type (example: 40 to 70°C during light test)
Internal dimension of the chamber	Approx. width 350 cm, depth 302 cm, height 176 cm
External dimension of the instrument	Approx. width 540 cm, depth 377 cm, height 279 cm [weight: approx. 5,000 kg]

* Models using other light sources such as metal halide lamps are also available.

5. Related Devices for Corrosion Test Instruments



EF-1R • EF-2R Exhaust Treatment Unit (Water circulation system)



Completely processes the salt spray test exhaust

This instrument processes all exhausts from salt spray tests by passing the exhaust through sprayed water. Processing water is recycled to keep consumption minimal. EF-2R is for larger corrosion test instruments.

Composition	Rigid PVC
Water amount	20 L in circulation
External dimension	Approx. width 64 cm, depth 30 cm, height 154 cm [weight: approx. 50 kg] (EF-2R is 198 cm high and weight 53 kg)



SS-2 Automatic Solution Supplying Unit

Contributes to reducing energy consumption in the solution supplying process

This unit automatically detects the water level in the corrosion test instrument's solution tank, and supplies water when necessary. This is best suited for tests that take long period of time. It includes an air barrier board (PAT.), which prevents the pH level of the solution from changing. SS-2's water tank can hold up to 100 liters. Models with more solution capacity and capability of generating solutions are also available.

Composition	Rigid PVC
Air barrier board	Rigid PVC
Water amount	Approx. 100 L
External dimension	Approx. width 46 cm, depth 46 cm, height 114 cm [weight: approx. 130 kg]