

Cyclic corrosion test chamber : NRI-CCT- 550

NRI-CCT series includes basic Salt Spray and Cyclic Corrosion Test Chambers. The chambers couple modernized design, up-to-date technology with competitive pricing; an unbeatable combination. Cyclic CCT models include the Digi-Touch touch screen controller. The CCT is a standardized test method used to check corrosion resistance of coated samples or rust-proof treatment of material. Coatings, painting, electroplating, anodizing, films of organic and non-organic...etc. Since coatings can provide a high corrosion resistance through the intended life of the part in use, it is necessary to check corrosion resistance. Salt spray test is an accelerated corrosion test that produces a corrosive attack to the coated samples in order to predict its suitability in use as a protective finish. The appearance of corrosion products (oxides) is evaluated after a period of time. Test duration depends on the corrosion resistance of the coating; the more corrosion resistant the coating is, the longer the period in testing without showing signs of corrosion.

Standard : ASTM-B-117, ISO 9227, ISO 14993, JIS Z 2371, SAE, JASO. & similar test standards.

Specification		NRI-CCT-550
Main structure	Exterior	Fiberglass.
	Interior	Fiberglass.
Thermometer range	Saturated air tank	Room Temp. ~ 60 °C
	Chamber	Room Temp. ~ 60 °C
Temperature Constancy	Saturated air tank	± 0.5 °C
	Chamber	± 0.3 °C
Saturated air	Pressure	0.5 ~ 2.0 ±0.01 (kg/cm ²)
Saturator water	Automatic water level controller and immersion heater will be provided	
Spray volume	Non Corrosive trouble free atomizer capable of producing a fine fog	0.5 ~ 15.0 (ml/80 cm ² /hr)
		3 nozzle : Variable degrees
Specimen placement	Hanging rods will be provided.	15 ° from perpendicular
Cycle test		Relative humidity 95-100 %
	High humidity cycle (Option)	Automatic system will purge the test space and spray water to a saturation humid atmosphere
	Dry cycle (Option)	Low humidity dry environment is achieved by a hot air blower
	Salt fog cycle test	An intermediate cycle where the solution spray or other cycles have stopped and no action is taken by any of the sub-systems.
P.H.	Salt Spray Test	6.5 ~ 7.5
	CASS Test	3.0 ~ 3.3
Heating of test space	Chamber Heater/Air Saturated heater	1000 W/1000W
Instrumentation & control	DIGI-TOUCH Color Touch Screen Controller/ PLC Temperature Controller	
	USB for fast downloads of configuration files and access to trending and data logging.	
Power source		220v ±10% VAC , 50 Hz
Dimension (Approx)	Outside W x H x D (mm)	1524 x700 x 830
	Chamber Inside W x H x D (mm)	830 x 950 x 700
Control unit	W x H x D (mm)	250 x 750 x850
Solution reservoir	Fiberglass	~ 150 liters

