



Cyclic Corrosion Testers

Salt spray corrosion is a common and most destructive atmospheric corrosion. The atmosphere contains oxygen, humidity, temperature changes and pollutants, which constitute the relevant corrosion components and factors.

The corrosion of the metal material by the salt spray is mainly caused by the electrochemical reaction of the conductive salt solution into the metal to form a micro-battery system of "low-potential metal-electrolyte solution-high potential impurity", and electron transfer occurs. Salt spray corrosion can reproduce corrosion that occurs only months or years later.

Main characteristics

- Titanium sheet metal structure
- Fast box temperature cycling
- Precise salt spray diffusion control
- User interface is very simple
- Industry leading temperature control
- Precise relative humidity control
- Program settings
- Flexible test board placement



Technical Specification

●Standard ○Optional - none

Model	DWFH-600/1100	FHYW-600/1100
Dimensions	600/1100L Optional	600/1100L Optional
Conventional salt spray (continuous/interval)	●	●
Variable humidity control cycle test	●	●
Prohesion Test and other salt spray/dry cycles	●	●
Humidity control range	20~100%RH	20~98%RH
Salt water tank volume	100L	90L
Corrosion resistant titanium plate structure	●	●
Temperature control in the box	Titanium tube circulating water temperature control+ titanium tube heating rod	Titanium tube circulating water temperature control + titanium tube heating rod
Temperature control range	-25~80℃	20~80℃
In and out mode	In and out of the wind are butterfly valve control	Inlet air butterfly valve control, often open air
Brine supply	Food grade anti-corrosion pump + corrosion resistant flowmeter	
Observation window and observation light	Anti-condensation observation window + fluorescent lamp	Double glazed steel observation window
Touch screen user interface	●	●
Chinese and English interface	●	●
Programmable temperature and humidity conversion rate	●	●
Error diagnosis, alarm record	●	●
Real-time/history curve view	●	●
Data storage export	1200 days	600 days
Spray module	○	○
Height adjustable test panel	●	●

Note: Data is exported from the HMI touch screen