Gas Corrosion Test Instrument

GT-100

Instrument capable of accommodating tests with and without Cl_2

Overview

This test instrument is capable of performing a gas corrosion test specified in the standard of ISO, IEC, JIS, etc.to evaluate the corrosion resistance of the electronic parts, plating, etc., and the storage stability of image.

Refering to IEC 60068-2-60 (Environmental Testing – Part 2 : Test Ke : Flowing mixed gas corrosion test), a chlorine has a highly reactive , and once a test containing the chlorine has been conducted, the chlorine will remain not only in the test chamber, but also in its piping as well. Since the residual chlorine shows strong interaction especially through reaction with hydrogen sulfide, there is a possibility of influencing test results. Moreover, it is extremely difficult to completely eliminate the chlorine from the sections that have been exposed to chlorine.

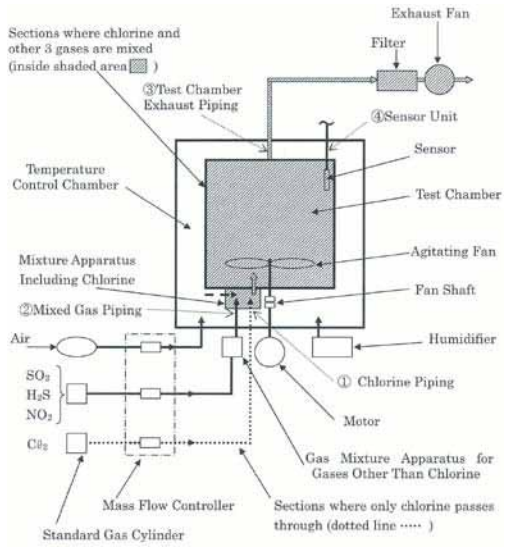
Features

1. Chamber Exchanging System ™

Exchangeable test Chamber for both conducting tests using Cl_2 and tests not using Cl_2.

We have developed an instrument removable a test chamber and parts in the chlorine gas path to completely eliminate the influence of the residual chlorine.

Chamber Exchanging System™

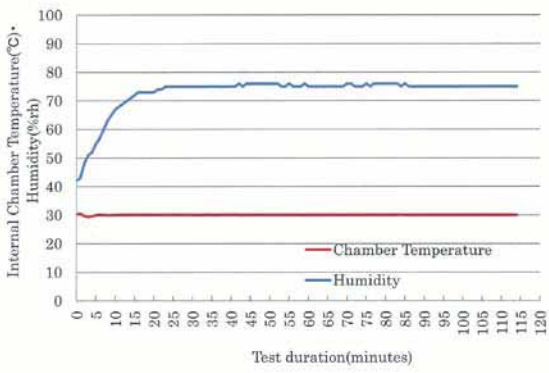


Structure of GT-100

2. Dew Free System ™

More stable control of the gas density, temperature, and humidity by preventing condensation system.

This instrument has a same previous double chamber structure, and as well stable control of the gas density while preventing condensation is made possible by injecting air with pre-controlled temperature and humidity in the temperature control chamber into the test chamber.



Operating Data at 30℃ 75%rh Setting for IEC60068-2-60, Method3

3. Easy to place and remove test specimens by front door system

Compared with the conventional upper lid system, it is easier to place and remove test specimens in the test chamber and improve the workability. And specimen holders and reinforced floor for heavy test specimens are also available as optional parts.

4. Colour touch panel controller

Better operability and visibility of touch panel

GT-100 is operated with an 8.4 inch liquid crystal colour touch panel controller that allows for easy and direct operation.

It provides date record and USB memory port.

Specification

Gas Concentration Range	SO_2	0.1～200ppm (100～200,000ppb)
	H_2S	0.01～200ppm (10～200,000ppb)
	NO_2	0.1～ 20ppm (100～20,000ppb)
	Cl_2	0.01～ 20ppm (10～20,000ppb)
Temperature and Humidity Range	Temperature	20～65±1℃
	Humidity	65～95±3%rh at 20℃
		45～95±3%rh at 40℃
		30～95±3%rh at 65℃
Effective Test Chamber Dimensions	Approx. Width 50 × Depth 50 × Height 40 cm	
Main Unit External Dimensions	Approx. Width 130 × Depth 144 × Height 194 cm	
Electrical Requirement	3-phase 200V approx. 19A 50/60Hz	

Fixed test chamber type is also available is a model name of GT-100B.

※"Chamber Exchanging System" and "Dew Free System" is a registered trademark of Suga Test Instruments Co.,Ltd. in Japan.

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