CLIMATE STSAR series

High and low temperature test chamber



Implementation standards

General Type

Low humidity Type

98%RH

SMC-408-CC

408L

±1.0 ~±3.0

Fluctuation $\pm 0.1 \sim \pm 0.5$; Uniformity $\pm 0.5 \sim \pm 2.0$

3.0 ℃ ~5.0 ℃

1.0 ℃ ~2.0 ℃

Refrigeration system

SM C 1000 C

800L

2

SMC-1500-CC

1500L

SMC-1000-CC

1000L

Fan

Heater

Evaporator

Humidifying

laver

Indicate temperature range

Programmable

GB/T5170.2-2008 Temperature test equipment

GB/T5170.5-2008 Humidity test equipment (C)

GB/T2423.1-2008(IEC68-2-1) testing A, Low temperature test method

GB/T2423.2-2008(IEC68-2-2) testing B, High temperature test method

GB/T2423.3-2006(IEC68-2-3) testing Ca, Constant thermal humidity test (C)

GB/T2423.4-2008(IEC68-2-30) testing Db, Thermal humidity test (C)

GJB150.3A-2009(MIL-STD-810F-2000) High Temperature test

GJB150.4A-2009(MIL-STD-810F-2000) Low Temperature test

GJB150.9A-2009(MIL-STD-810F-2000) thermal humidity test (C)

Temperature uniformity: ≤2.0 °C Temperature deviation: ≤±2.0 °C **Humidity deviation**: ≤±3.0%RH (over75%RH)

≤±5.0%RH (lower than 75%RH)" Temperature and humidity control method: BTHC

Main technical parameters

Temperature fluctuation: ≤±0.5 °C

- Ambient temperature: +5~+35°C Power(V): AC 380±10%V 50HZ±0.5HZ
- **Equipment noise:** ≤69dB (testing from one meter in front of the door)
- Cable hole (Φ100) 1 PCS; sample shelf 2 kits; Lighting 1 pcs; Sample power control terminal 1 (C), only C type equipment equipment with this.
- **Humidity controllable range** (AT Room Temp.20°C)

Humidity fluctuation

Temperature change

Heating rate

Cooling rate

RELATIVE HUMIDITY % RH Standard Humidity-type

Temperature and humidity control chart

Standard configuration: Electrothermal film glass observation 2 pcs;

Low Humidity-type 10 60 70 80 100 10 20 30 40 50 15 85 Temperature ℃ **Data sheet** Model SMC-225-CC Climatic chamber L 64L 80L 150L 225L Test volume $^{\circ}$ C Temperature range -75 °C ~ +180 °C (A: 0 °C; B: -20 °C; C: -40 °C; D: -75 °C) Humidity range %RH 10~98 $^{\circ}$ C Dew-point temperature +10~ +95 $^{\circ}$ C +4(-3°C)~ +94 Dew-point temperature range

%RH

 $^{\circ}$ C

°C/min

°C/min

W 200W 400W 400W 400W 500W 600W 600W Highest thermal compensation 500W W 400 400 500 500 800 1000 1000 1200 Inner size D 400 400 500 600 600 800 1000 1000 Н 400 500 600 750 850 1000 1000 1250 W 700 680 800 800 1100 1300 1300 1500 1420 1420 2300 D 900 1220 1320 1620 1820 Outside size Н 1980 625 1450 1700 1800 1980 1600 1550 Power supply ± 10%, 1/N, 50HZ 400V ± 10%, 3/N/PE, 50HZ Kw Power 4.8 5.8 6.5 8.5 8.9 11.6 13.5 15.5 52 54 55 56 60 60 65 Noise level dB(A)50 680 840 Weight 470 280 380 450 620 955 Kg Cooling mode AIR-COLLED Control system pcs The South Lorea SAMWON TEMI1500, TEMI2500, TEMI2700 3 **CLIMATE STSAR** series CLIMATE STSAR series has advanced features in terms of quality and reliability **Customer first** 1. If you have ever used environmental test equipment, you will soon feel the unique design and ease of use of the device CLIMATE STSAR. 2. First of all, you can feel the equipment is easy to use, low maintenance rate and high reliability Testing area 3. Then, You can choose different the testing volume, temperature range and special parts to meet your special requirements

1. Large viewing angle and full heating observation window 2. High stability full color touch screen 3. Pin holes on both sides

8. Ultra quiet

Products Features

high quality standard features.

6. Safety sample terminal

Scope of application

1. This model is a simulation products in climate field, it's combination of temperature and humidity conditions (high and low temperature operation & storage, temperature cycle, high temperature and high humidity, low

The CLIMATE STAR series products have excellent design and

4. Sample holder capable of conveniently adjusting height

7. High quality casters for the equipment easily level shift

9. Disassemble operation panel for easy maintenance

5. Triple independent over temperature protection

Structure characteristics

temperature and humidity, condensation test) testing the product whether it has any changes in the ability and the characteristic. Internal volume of the equipment 2. Must meet the requirements of the international standard (IEC, JIS Mild (Energy saving) Brand code/name(sanwood) GB, MIL---) to achieve the consistency of the international measurement procedures. Inner glass door (optional) Pin hole Structure characteristics 1. Shell: Spray galvanized color steel plate, the surface electrostatic spray processing. Liner: stainless steel SUS 304. 3. Thermal insulation layer: Polyurethane foam board Φ100mm (standard equipment) and glass fiber. Ф50mm Ф80mm Ф160mm 4. Seal: Toshiba high purity silicon rubber raw materials, (optional equipment) effectively prevent aging. Operation sample hole on the glass Simple type water supply water tank (C) **5.**Heater: Ni Cr alloy electric heater. Humidifier: Outer tube: SUS316 stainless steel seamless pipe Internal heating wire: Ni Cr alloy wire. 7. Sample holder: 40kg/ layer * 2 layer (standard configuration) 80kg/layer; 120kg/layer Total bearing ≤ 240 kg (optional).

3. Adequate space position, easy to operate. 4. Welding through nitrogen, ensure the inner pipe not nitriding. 5. Take a variety of techniques to decouple shock.

maintenance.

5

system

Refrigeration

Refrigeration design

1. Modular production, reliable quality, convenient

2. Silver brazing welding vibration pipe with a silver

6. Take a variety of techniques to anti-corrosive.

content of 45% to prevent the welding leak effectively.

Controller

Control System

1. 5.7" 640*480 lattice. TFT LCD Safety protection device displayer 1.Compressor 2. 1200 programs, program can cycle 3. RS - 485 interface, with remote communication function. 4. SD card storage test data, about 7500 days (Sampling period: 5min) 5. operating language: Chinese or English 7

industries fields.

2. High reliability of industrial r ecords requirements The sample power control terminal

1. Large screen LED display

Recorder

1.5 Cooling circulating water pressure shortag (water-cold).

(air-cold)

1.1 Compressor overpressure

1.4 Condenser fan overheating

1.2 Compressor motor overheating

1.3 Compressor motor over-current

new energy vehicles, electric bicycles, electric tools, electric systems, solar, military, universities research and other technology Having experienced nearly 20 years efforts, we have successfully developed a series of products: High and low temperature test chamber explosion-proof type thermal shock chamber

- an explosion-proof type temperature test box walk-in temperature and humidity chamber weather resistance test chamber ● Temperature&humidity&Vibration integrated test chamber

, the United States, Turkey, Denmark, Vietnam, India, Malaysia, Kazakhstan, Austria, Canada, etc. In the age with fierce

competitions, Sanwood thrived little by little and aims to become the leading brand in the safety and reliability environmental test

- equipment industry all over the world.
- Henan University, Chinese Academy of Sciences, Central South University Successively.

France Taikang compressor (Original import)

Compressor



- 1. When the equipment safety protection device works, the power supply of the electrified sample is controlled through the connecting terminal.
- The Experience you Rely on... Sanwood Environmental Chambers was established in 1995, which integrated Taiwan and Japan technologies. We have been focus on the most secure and reliable climatic test chamber technology since established. And has become a private science and technology enterprises in Dongguan, Guangdong Province, which passed the ISO9001:2008 quality system certification. Our products upgrade constantly and our customers come portable batteries, power batteries, battery, lithium batteries, lead-acid,

1.condenser 2.evaporator condenser(-70) 3. Evaporation pressure regulating

4. Thermal expansion valve

Solenoid valve

Italy CASTEL

Ozone depletion index was 0

Denmark DANFOSS brand

Staste

Refrigerant

R404A

valve

R23(-70)

5.Dry filter 6. Condensation pressure regulating valve (water-cold) 2. Waterway 2.1 Heating tube dry.

2.2 Abnormal of water supply.

3. Test samples of protection

2.3 Abnormal drainage.

0 0 8 3 1

3.1 Adjustable overtemperature

3.2 Air conditioning channel over

3.3 controller set overtemperature

3.4 sample terminal protection.

4.1 The fan motor overheating.

lack of phase protection.

4.4 Load short circuit protection.

4.2 Total power phase sequence and

protection.

temperature limit.

shut down alarm.

4. Electric control

4.3 Leakage protection.

6

Enterprise vision: Sanwood Technology has established a large production base in Dongguan after many years efforts. The plant area reached more than 12000 square meters. The foreign trade branch and foreign service agencies were established in 2010. And branches successively established in Taiwan, Suzhou, Hunan, Hubei, Beijing, Henan. Excellent products and good after-sales service

battery thermal abuse test box

explosion-proof type h ot box



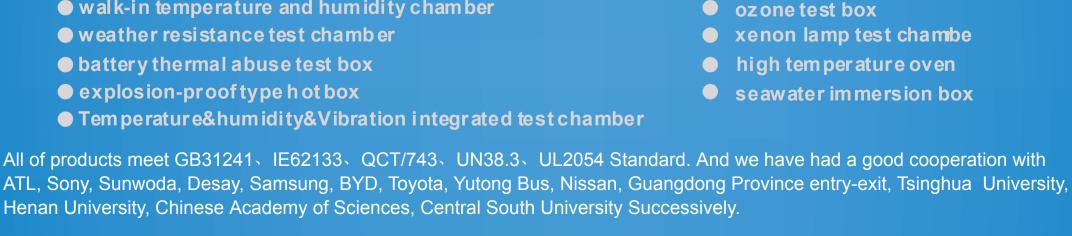
Focusing on the innovation of environmental reliability test Sanwood(HK)Industrial Corporation.,Limited

8

Guang dong Sanwood Technology Corporation., limited

ADD: Changping Science&Technology park, Changping,

Dongguan city, Guangdong province, China TEL:+86+769-81182799 FAX:+86+769-82987199 E-mail:info@climatic-chambers.com.tw www.climatic-chambers.com.tw www.environmental-chambers.ru



dust test box

vibration table

rain test chamber







