

SA/\II/OOD® test chamber

High low temperature



Temperature fluctuation: ≤±0.5 °C **Temperature uniformity:** ≤2.0 °C

Technical

specifications

Temperature deviation: ≤±2.0 °C

Main technical parameters

Ambient temperature: +5~+35 ℃

- Power(V): AC 380±10%V 50HZ±0.5HZ
- Ambient temperature: +5~+35 °C
- **Equipment noise: ≤69dB** (testing from one meter in f/ront of the door)
- **Standard configuration:** Electrothermal film glass observation 2 pcs; Standard configuration: Electrothermal film glass observation 2 pcs; 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.
- Temperature and humidity control chart Humidity controllable range (AT Room Temp.20°C)
- LATIVE HUMIDITY % RH Standard Humidity-type 20 Low Humidity-type

20

Model

15

30

Unit

L

 $^{\circ}$ C

 $^{\circ}$ C

 $^{\circ}$ C

°C/min

°C/min

Wide(mm)

40

Climatic chamber Test volume Temperature range fluctuation

uniformity

Heating rate

cooling rate

Data sheet

10

10

800 1000 1000 Inner size 400 400 500 600 600 Deep(mm) 750 850 1000 1250 Height(mm) 400 500 600 1000 680 700 800 800 1100 1300 1300 1500 Wide(mm) 1820 900 1220 1420 1420 1620 2300 Deep(mm) 1320 Outside size Height(mm) 625 1450 1550 1700 1800 1980 1980 1600 200 400 800 Maximum load Kg/m³ 40 300 50 52 56 60 60 Sound pressure level dB(A 54 55 65 Electric source 230V±10%,1/N,50HZ 400V±10%, 3/N/PE,50HZ KW 4.2 4.8 5.9 7.5 8.9 11.6 13.5 15.5 Rated power Cooling mode AIR-COLLED pcs The South Lorea SAMWON TEMI1500, TEMI2500, TEMI2700 Control system 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

70

80

150L

500

85

100

225L

500

-75°C ~ +180°C (A: 0°C; B: -20°C; C: -40°C; D: -75°C)

±0.1~±0.5

±0.5—±1.5

3.0 °C ~5.0 °C /min

1.0 °C ~2.0 °C/min

SMC-408-CC

408L

800

Refrigeration system

SM C 1000 C

SMC-800-CC

800L

1000

60

SMC-80-CC

80L

±0.3~±1.0

±0.5~±2.0

400

50

SM-64-CC

64L

400

Temperature ℃

Products Features The CLIMATE STAR series products have excellent design and

8. Ultra quiet

high quality standard features.

3. Pin holes on both sides

Scope of application

measurement procedures.

Structure

characteristics

and glass fiber.

5

system

Refrigeration

maintenance.

not nitriding.

Control System

Controller

1. 5.7" 640*480 lattice. TFT LCD

3. RS - 485 interface, with remote

4. SD card storage test data, about

7500 days (Sampling period: 5min)

5. operating language: Chinese or English

communication function.

2. 1200 programs, program can cycle

displayer

7

industries fields.

effectively prevent aging.

5.Heater: Ni Cr alloy electric heater.

Refrigeration design

1. Modular production, reliable quality, convenient

2. Silver brazing welding vibration pipe with a silver

4. Welding through nitrogen, ensure the inner pipe

5. Take a variety of techniques to decouple shock.

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

3. Adequate space position, easy to operate.

content of 45% to prevent the welding leak effectively.

2. High stability full color touch screen

4. Sample holder capable of conveniently adjusting height 5. Triple independent over temperature protection 6. Safety sample terminal

range and special parts to meet your special requirements

1. Large viewing angle and full heating observation window

7. High quality casters for the equipment easily level shift

9. Disassemble operation panel for easy maintenance

of temperature conditions (high and low temperature operation & storage, temperature cycle, high temperature, low temperature, condensation test) testing the product whether it has any changes in the ability and the characteristic.

1. This model is a simulation products in climate field, it's combination

2. Must meet the requirements of the international standard (IEC, JIS , GB, MIL---) to achieve the consistency of the international

Structure characteristics

1. Shell: Spray galvanized color steel plate, the surface electrostatic spray processing. 2. Liner: stainless steel SUS 304. 3. Thermal insulation layer: Polyurethane foam board

4. Seal: Toshiba high purity silicon rubber raw materials,

6. 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).

Pin hole

Compressor



The sample power control terminal 1. When the equipment safety protection device works, the power supply of the electrified

sample is controlled through

the connecting terminal.

1.5 Cooling circulating water

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.

(air-cold)

High and low temperature test chamber explosion-proof type thermal shock chamber an explosion-proof type temperature test box

Evaporator

Recorder(option)

1. Large screen LED display 2. High reliability of industrial r

ecords requirements

Safety protection device

1.Compressor



Custom efficient fin type heat exchanger

S Caste Italy CASTEL Refrigerant R404A R23(-70) Ozone depletion index was 0 Denmark DANFOSS brand 1.condenser

2.evaporator condenser(-70)

4. Thermal expansion valve

valve (water-cold)

valve

5.Dry filter

3. Evaporation pressure regulating

6. Condensation pressure regulating

6

2.1 Adjustable overtemperature protection. 2.2 Air conditioning channel over temperature limit. 2.3 controller set overtemperature shut down alarm. 2.4 sample terminal protection.

3. Electric control

3.1 The fan motor overheating.

All of products meet GB31241 LE62133 QCT/743 UN38.3 UL2054 Standard. And we have had a good cooperation with ATL, Sony, Sunwoda, Desay, Samsung, BYD, Toyota, Yutong Bus, Nissan, Guangdong Province entry-exit, Tsinghua University, Henan University, Chinese Academy of Sciences, Central South University Successively.

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.

Temperature&humidity&Vibration integrated test chamber

The Experience you Rely on...

walk-in temperature and humidity chamber

weather resistance test chamber

battery thermal abuse test box

explosion-proof type h ot box

Enterprise vision:

SANIVOOD®

Focusing on the innovation of environmental reliability test

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Sanwood(HK)Industrial Corporation.,Limited **Guang dong Sanwood Technology Corporation., limited**

1.1 Compressor overpressure 3.2 Total power phase sequence and 1.2 Compressor motor overheating lack of phase protection. 1.3 Compressor motor over-current 1.4 Condenser fan overheating 3.3 Leakage protection. 3.4 Load short circuit protection. pressure shortag (water-cold).

Our products upgrade constantly and our customers come portable batteries, power batteries, battery, lithium batteries, lead-acid, 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: dust test box vibration table

rain test chamber

xenon lamp test chambe

seawater immersion box

high temperature oven

ozone test box

Sanwood Technology has established a large production base in Dongguan after many years efforts. The plant area reached more

make us won the recognition and trust of customers. Products are exported to more than 30 countries, such as Russia, Singapore

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



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 GJB150.3A-2009(MIL-STD-810F-2000) High Temperature test GJB150.9A-2009(MIL-STD-810F-2000) thermal humidity test (C) General Type Low humidity Type 98%RH

Implementation standards

GB/T5170.2-2008 Temperature test equipment

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

SMC-1000-CC SMC-1500-CC 1500L

1000L

±0.1~±0.6

±0.5~±1.6

1000

2

1200

4

Fan

Heater

Evaporator

Humidifying

laver

Indicate temperature range

Programmable

Internal volume of the equipment

Mild (Energy saving)

Brand code/name(sanwood)



Solenoid valve

2. Test samples of protection



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









www.environmental-chambers.ru