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PRODUCT TECHNICAL DATA SHEET

Ultraviolet Radiation Resistance Test Chamber



1.Product information and price

1.1Product Name	Ultraviolet Radiation Resistance Test Chamber
1.2Model	A-SGR-5
1.3Delivery time	20 days

2.Product restrictions

This test equipment prohibits:

Testing and storage of flammable, explosive and volatile material samples

Testing and Storage of Corrosive Substance Specimens

Testing or storage of biological samples

Test and Storage of Strong Electromagnetic Emission Source Samples

3.Main Specifications

3.1Working room size	600×600×600mm (W×D×H)
3.2External size	730×950×1400mm (W×D×H)
3.3Temperature range	RT+10--100℃
3.4Temperature fluctuation	≤±1℃
3.5Temperature uniformity	≤±2℃
3.5Load	At least 12 pieces of laminated glass with a size of 300×76mm and a thickness of 1mm-80mm.
3.6Installed power	1KW
3.7UV lamp power	0.75KW
3.8Irradiation light source	Ozone-free quartz tube type medium pressure mercury vapor arc lamp
3.9Lamp	Lamp length: 360mm Lamp diameter: 9.5mm, arc length 300±14mm
3.10Transformer	Working power: 750±50W Starting peak voltage: 1100V Working voltage: 500±50V
3.11Sample barrel speed	1-5 rpm
3.12Timing Control	Time setting range: 0-999h; precision: 0.1S
3.13Cooling way	Air cooling
3.14Power supply	AV220V/50Hz
3.15Meets standards	Compliant with GB 15763.3-2009, GB/T 5137.3-2020, suitable for UV resistance testing of various types of laminated glass such as automotive laminated glass, architectural laminated glass and fireproof glass GB9656-2003 "Automotive Safety Glass"

	<p>ECE R43, Approval of Safety Glazing and Glazing Material. EN12543-4 Glass in building - Laminated glass and laminated safety glass Part 4: Test methods for durability</p>	
<p>3.16 Reference pictures</p>		

4. Structural features

<p>4.1 Housing material 4.2 Inner material 4.3 Glass limit device 4.4 Door Seal 4.5 Irradiation light source 4.6 Specimen Fixing and Rotation Device</p>	<p>A3 cold plate (sand steel) SUS stainless steel material non-metallic material Foamed hollow sealing strip</p> <p>The irradiation light source is an ozone-free quartz tube type medium-pressure mercury vapor arc lamp. The axis of the lamp housing shall be vertical. The nominal dimensions of the lamp are 360mm in length, 9.5mm in diameter, and 300mm in arc length. Power transformers and capacitors: Capable of supplying arc lamps with a minimum starting peak voltage of 1100V and a working voltage of 500V±50V.</p> <p>The sample fixing and rotating device is a stainless steel barrel, which can place at least 12 pieces of laminated glass with a size of 300×76mm and a maximum thickness of 30mm, and revolves around the irradiation light source set at the axis at a speed of 1r/min~5r/min Rotate to ensure uniform irradiation, and there should be spacers between the samples to ensure that the samples do not fall, slide, or collide during the rotation.</p>
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5. Electrical control system

5.1 Controller	Adopt digital temperature controller, which has double value display of set value and measured value. Display resolution: 0.1°C Pt100 platinum resistance French "Schneider" AC contactor, leakage protector, Switzerland "Jiale" brand solid state relay
5.2 Timing function	Set the time according to the test requirements, the timing range: 1-999h.

6. Safety protection device

Leakage Protection

Total power phase sequence and phase loss protection

Fan motor overheating, over-current protection

7. Technical support

Technical documents	The manufacturer provides the equipment structure diagram, electrical schematic diagram, list of main external components and equipment operation and maintenance instructions.
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8. Working condition

- Temperature: 5°C ~ +35°C;
- Humidity: ≤85%;

9. Train and after-sale service

9.1 Training:

- a. The user can come to our company to accept training in factory when the product is ready;
- b. We can also, according to the contract, perform a training on place when the equipment is installed and commissioned.
- c. Teach users to install and operate our products through other method.

9.2 After-sale service:

- a. Consultation for use and maintain;
- b. Provide quick-wear parts and spare parts in time;
- c. Dispatch technicians to teach users on place about equipment usage and maintenance;
- d. Up to THREE years quality warranty term;
- e. Problems caused beyond the quality warranty period, we can resolve in time, on a fee basis, providing support and materials upon the conditions agreed.