

UV Weather Aging Test Chamber

Model: SRZY-D

Summary:

UV accelerated weathering aging test chamber can provide reliable aging test data to make the exact prediction of products' weathering fastness (aging resistance), which is conducive to sift and optimize the formula. uv accelerated weathering aging test chamber is used in many industries, such as: paint, inks, resin, plastics, printing and packaging, adhesives, auto and motorcycle industry, cosmetics, metal, electronic, electroplating, medicine, etc.



Usages:

UV accelerated weathering aging test chamber is the most widely used UV Weathering tester in the world, there are thousands of ultraviolet aging testers coming into use. uv accelerated weathering aging test chamber has become the standard of the UV test, fit standards of ISO, ASTM, DIN, JIS, SAE, BS, ANSI, GM, U.S. GOVT, etc. It can simulate the damage of sunshine, rain, dew to the material quickly and exactly. Damage types including bleaching, discoloration, loss of light, powder, crack, turbidity, bubble-based, embrittlement, strength decline and oxidation need to be engendered in months or years but can engender in a few days or weeks.

Standard:

IEC61215, ASTM D4329, D499, D4587, D5208, G154, G53; ISO 4892-3, ISO 11507; EN 534; BS 2782; JIS D0205; SAE J2020, etc.

Features:

1. The ultraviolet aging tester is designed according to users' operation, it's easy to operate, safe and reliable.
2. The thickness of specimen installation is adjustable and the specimen installation is fast and convenient.
3. The door rotating up does not interfere with the operation and the tester takes a very small space only.
4. It's unique condensating system can be contented by tap water.
5. The heater is under the container rather than in the water, which is long life, easy to maintain.
6. The water level controller is outside the box, easy to monitor.
7. The machine has truckles, convenient to move.
8. Computer programming is convenient, automatically alarming when incorrect operated or faulted.
9. It has irradiance calibrator to extend the life of the lamp tube (more than 1600h).
10. It has Chinese and English instruction book, convenient to consult.
11. Divided into three types: common, light irradiance controlling, spraying

Specifications:

Inside dimension	450*1170*500mm
Materials	Inside and Outside SUS#304 stainless steel
Temperature range	RT+10~70°C
Temperature uniformity	±2°C
Temperature fluctuation	±0.5°C
Temperature control	PID SSR control
Humidity range:	95%RH
Controller	Korean TEMI 880 programmable controller
Control mode	Balance temperature humidity control (BTHC)
Test cycle setting	Illumination, condensation and water spray test cycle is programmable
Lamp power	40W/Piece
Distance from sample to lamp	50±2mm (adjustable)
Centre distance between the lamp	70mm
Wavelength ultraviolet light	UVA: 315-400nm; (optional or combined) UVB: 280-315nm for optional (8pcs, 2000h lifetime)
Irradiation black panel temperature	45°C~80°C
Standard Specimen Size	48* 75×150mm (special specifications can be custom-made)
Water consumption	8L per day
Testing time	0~999H, adjustable
Power	220V/50Hz /±10% 4.5KW
Protection system	Overload short circuit protection, over temperature protection, water lacking

Chamber Structure :

- ※ The inner bladder of the chamber is made of imported high-class stainless steel plate while the outer bladder is made of SUS 304 steel plate.
- ※ The heating mode adopts inner bladder trough type heating with its rapid temperature rise and even temperature distribution.

Control System :

- ❖ Adopts black aluminum plate to connect temperature sensor and adopts black board temperature meter to control heating so as to ensure more stable temperature.
- ❖ The radiometer probe is fixed so as to avoid the frequent installation and disassembly.
- ❖ The radiation quantity adopts the special UV irradiator with high-precision display and measurement.
- ❖ The radiation intensity is not more than 50W/m².
- ❖ The illumination and condensation can be controlled independently or alternating and circularly.

UV lights can be chosen, like followings:



UVA: 315-400nm (8pcs, 2000h lifetime)



UVB: 280-315nm (8pcs, 2000h lifetime)

More Models can be chosen:



SRZY-A
Simulate the sunlight
UVA light sources, 2pcs



SRZY-B
Simulate the sunlight and Temp.
UVA light sources, 2pcs
Temp. : RT~60°C



SRZY-C
Simulate the sunlight, Temp.
and natural rainfall
UVA/UVB light sources, 3pcs
Temp. : RT~60°C
Water spraying

What we produce? (always accept customize)

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|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers | 3. Environmental chambers |
| 4. Mobile/Laptop testers | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester | 8. Color testers | 9. Rubber/plastic testers |
| 10. Fabric testers | 11. Wire testers | 12. Other testers |



Professional packing

We have professional packaging teams and shipping forwarder to pack and deliver your products safely!

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.

