

# Xenon Lamp Test Chamber

## ISO4892-2 Solar Light

**Model: SRXD-150F**

### Summary:

Solar Radiation Xenon Arc Lamp UV Stability Test Chamber is best fit to mimic natural full sunlight spectrum xenon arc lamp to reproduce the destructive waves of light of different environment, which can be an excellent material for accelerated testing light fastness and weather resistance. Can be used for the screening of new material, improvement of existing materials or evaluate material such as the change of the composition change after durability test. Industry widely used, for example: paint ink, paint, resins, plastics, printing and packaging, adhesive, car motorcycle industry, cosmetics, metal, electronic, electroplating, medicine, etc.



### Test standards:

- ISO 105-B02/B04/B06, ISO4892-2, ISO11341, ISO 4892-3, ISO 11507; ISO1431
- ASTM G155-1/155-4, ASTM1171, ASTM D4329, D499, D4587, D5208; ASTM1149
- JIS L0843; JIS K6259, JIS D0205; SAEJ1960/1885, IEC61215, IEC62688
- GB/T13642, GB/T 7762-2003, GB 2951, G154,G53; EN 534
- PREN 1062-4, BS 2782; SAE J2020; AATCC TM16, TM169; DIN53509; JASOM346, PV1303

### Features:

1. Full-spectrum xenon lamp.
2. A variety of alternative filtration systems.
3. Water spray function.
4. Relative humidity control.
5. Test chamber air temperature control system.
6. Irregular shape flat product rack for easy product placement
7. The original imported Xenon arc lamp.
8. The installation is easy to use and basically does not require daily maintenance features.
9. The service life of the xenon arc tube depends on the level of irradiance used. The life of the lamp is generally 1600 hours. Lamp replacement is quick and easy, and long-lasting filters provide the protection needed to maintain the spectrum.
10. Structural characteristics: Imported intelligent temperature and humidity controller for temperature control, with PID adjustment, fast self-tuning, can set a variety of parameters, temperature direct digital display, reading is very convenient.

## Technical specifications:

### Product Highlights of Solar Radiation Xenon Arc Lamp UV Stability Test Chamber

Material	External material 304 stainless steel (mm), galvanized coating(0.2mm), Prevent static electricity, More safe.
Safety protection	Electric leakage, Short circuit, Over-temperature, Motor overheating over current protection/ Power failure memory function for controller
Easy Operation	<ul style="list-style-type: none"> <li>◆ Programmable color display touch screen controller.</li> <li>◆ Automatic Water spraying system</li> </ul>
Standard	ISO 105-B02/B04/B06, ISO4892-2, ISO11341. AATCC TM16, TM169, ASTM G155-1/155-4, JIS L0843, SAE J1960/1885, JASOM346, PV1303, IEC61215, IEC62688
Two type	Flat shelf type and Rotating type available in variety size of specimen

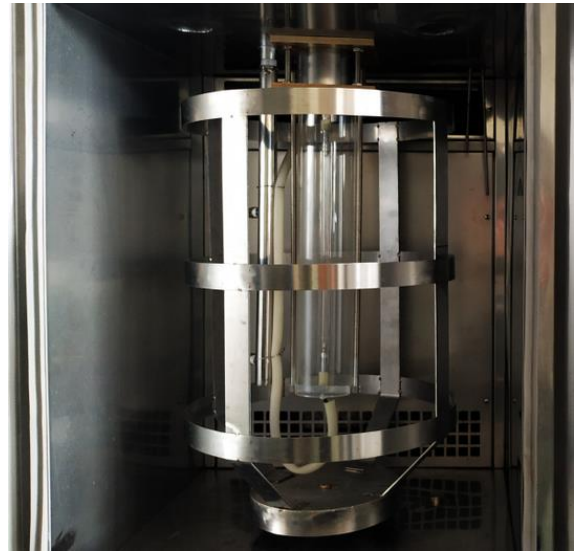
### Main size of Solar Radiation Xenon Arc Lamp UV Stability Test Chamber

Model #	SPXD 150E	SPXD 225E	SPXD 500E
<b>Internal types: Flat shelf type and Rotating type</b>			
Volume	100L	220L	500L
Internal Dimension (D×W×H mm)	500*600*500	900*500*500	800*800*800
Exterior Size (W×H×D)	700*1950*1100	1150*1950*1200	1350*1950*1350
Gross Weight (Kgs)	125 Kgs	175 Kgs	250 Kgs
Power Supply	4KW	4.5KW	6.5KW
Cooling System	Air Cooling	Water Cooling	Water/Air Cooling
Temperature Range	RT+10°C~65°C	RT+10°C~85°C	RT+10°C~85°C
Humidity Range (brightness)	10%~70%R.H	10%~70%R.H	10%~78%R.H
Humidity Range (darkness)	10%~95%R.H	10%~95%R.H	10%~98%R.H
Spraying Time	1~9999 hours,	59 minutes	Adjustable
Spraying Period	1~240 minutes,	interval (cut-off)	Xenon Arc Test Chamber
Spectral Wavelength	250nm~800nm	250nm~800nm	250nm~800nm
Light Irradiance Deviation	±0.01 W/m2	±0.01 W/m2	±0.01 W/m2
Irradiance	200~800W/m2	200~800W/m2	200~800W/m2
Accuracy Range	Setting/direction accuracy:	Temperature ±0.1°C,	Humidity ±1%R.H
Sensor Type	Platinum resistance	PT100Ω/MV	PT100Ω/MV
Heating System	Independent system	Nichrome electrical heater	nbsp;
Humidification System	External insulation	Stainless steel surface	evaporative humidifier
Black Panel Temperature	10~+110°C	10~+110°C	10~+110°C
Water Supply System	Self-filtrator, auto control	Humidification, water supply,	Lamp cooling circulating water
Temperature Controller	Adopt Weinview color	Touch screen and Siemens	PLC modules controller
Recycle System	Temperature resistance	Low noise, air-condition motor,	Multi-vane centrifugal impeller.
Exterior Material	Carbon steel panel with	Phosphide static spraying	Plastics processing
Interior Material	SUS304	SUS304	SUS304
Door frame thermal insulation	Anti-heating,anti-aging	Silicon gel sealing strip	Xenon Test Chambers
Safety Protection	Electric leakage, short circuit,	Water shortage, motor overheating,	Over-current protection.
Power Input	AC 220V, 230V or 380V	AC 220V, 380V, 50/60Hz	AC380V±10%,



**Flat shelf type:**

Place the test product flat on the sample rack with light shining on the product from above



**Rotating type:**

Stick the product around the turntable and the light shines around from the middle

**Appearance of the material types: stainless steel #304 type and Baking finish paint type**



**Baking finish paint type:**

The surface has baking paint process but don't hit it so hard, it will be paint removed



**Stainless steel #304 type :**

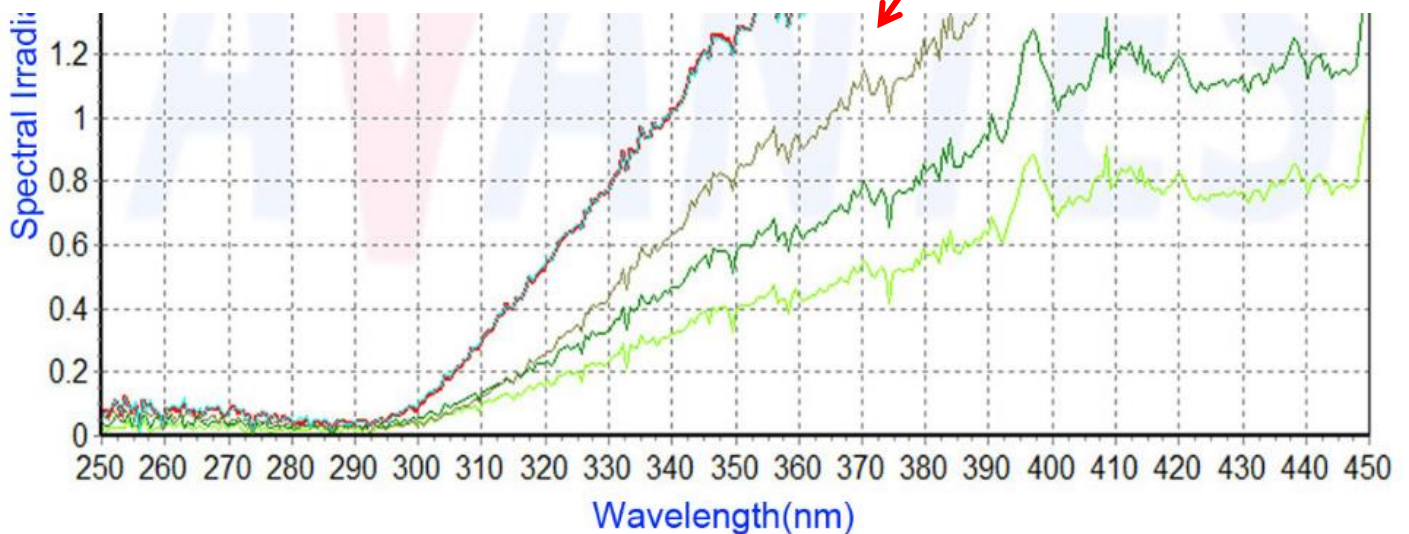
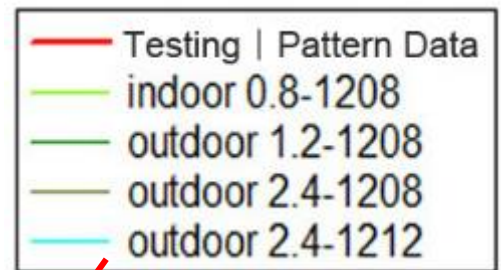
Anti-oxidation, not easy to rust, appearance bright and clean, but to maintain regularly





### Touch screen controlled:

You can set the test data and time on the screen , then start it, it working automatically. Once time out, the machine will alarm you.



- Lamps, internal filters, external filters, digital power supply and other core accessories for SUNRISE Xenon Test Chambers comply with ATLAS, Q-LAB and other well-known brands in Europe and America supplier, SUNRISE Xenon Test Chamber break the European and American supplier's technology monopoly.
- SUNRISE Xenon Test Chamber comply with GB/T、AATCC、ASTM、GME、GMW、ISO、JASO、SAE、VDA、VW related testing standard.
- The main functional components of SUNRISE Xenon Test Chamber choose world famous configuration, the real reproduction of outdoor climate, heat, humidity and rainfall and other comprehensive conditions, Make the sample artificial accelerated aging test.

***If you are running a lab with limited budget, then buy xenon test chamber from SUNRISE is your good choice !***