

Summary:

Xenon Lamp T

est Chamber adopts the xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves existing in different environments so as to provide the corresponding environment simulation and acceleration test for scientific research, product development and quality control. 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 sprayed with plastic.

Adopts the full spectrum xenon lamp with the functions of temperature and humidity, illumination, spray and condensation.



Standards:

GB12831-86 Vulcanized rubber artificial climate (xenon lamp) Aging Test Method

GB/T8427-89 Textile color fastness test, resistance to artificial light fastness xenon arc

GB/T8430-98 Textile color fastness test, resistance to artificial light fastness xenon arc

GB/T1865-97 Paints, varnishes, artificial weather aging and artificial radiation exposure

GB/T5137.3-96 Simulated climate test method of resistant to radiation, heat, humidity, burning

GB/T16259-96 Color building materials, artificial climate accelerated aging test method.

ISO 105 B02 Textiles-- Part B02: Colour fastness to artificial light: Xenon arc fading lamp test

ISO 4892-2 Plastic-- Methods of exposure to laboratory light sources-- Part 2: Xenon arc lamps

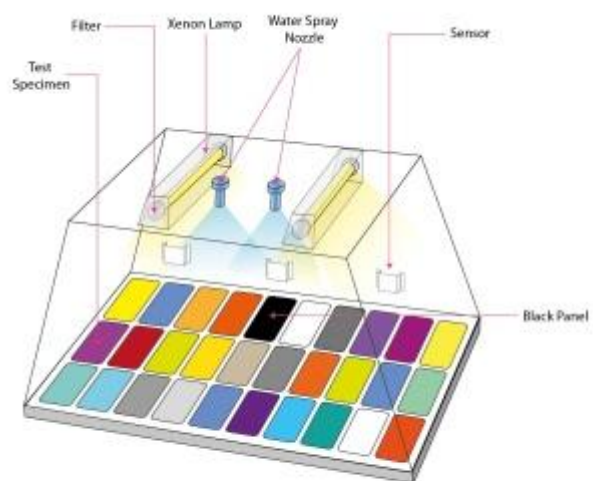
Features

1. Inner chamber is made of advance stainless steel pate , outside skin is made of SUS304# stainless steel card pate .
2. Dynamic rotating sample frame, speed can be adjusted.
3. Using the imported intelligence temperature control instrument, with the PID adjustment ,fast auto-tuning ,can set up many kinds of technical parameters. Temperature direct digital display, reading is very convenient.
4. The combination of high transmittance filter, the use of 95% transmittance filter and filter tube, reach the same irradiance light requirements of low power consumption, make the instrument more energy saving and environmental protection.
5. Double metal the blackboard thermometer.
6. Variety of safety protection devices.
7. Irradiance digital setting, real-time monitoring, closed-loop automatic regulation, providing the most stable irradiance test light source for different standards (340nm、 420nm、 300-400nm and 300-800nmoptional purchase)
8. Multiple operating modes (rain, alternating light and dark, revolution, rotation) can simulate real climate conditions.



Main Technical Parameters

Test Chamber Size		500*600*500mm / 550*600*700mm(D*W*H) or specified
Test Chamber Volume		150L / 231L or specified
Test Index	Temperature range	Room temperature+10°C~80°C ±3°C
	Temperature uniformity	≤2°C
	Temperature fluctuation	±0.5°C
	Temperature deviation	≤±2°C
	Heating speed	5 degree/Min
	Humidity range	30%~95%
	Humidity uniformity	≤2°C
	Balckboard temperature range	40°C~80°C±3°C
	Water spray period	0min ~ 99h adjustable
	Water spray pressure	3Kpa
	Water spray time	0min ~ 99h adjustable
	Lamp nominal power	1.8KW/1pcs(air cooled)
	Lamp life time	Average life 1200~1600h(Consumable do not guarantee)
	Wavelength	(290-800nm)
Structure and material	Structure	The chamber mainly departed into test chamber, electronic controlling cabinet and machinery chamber 3 parts. The left side is test chamber, single door from right to left. Right side is electronic controlling cabinet, there are temperature controller, switches, error indicator on the controlling panel. Machinery chamber is right beside the test chamber, contain filter,solenoid valve and other components.
	Heating Material	Painted steel plate
	Inner chamber material	SUS304 stainless steel, corrosion resisting, easy cleaning and beautiful
	Heat preservation material	Polyurethane rigid foam
	Test hole	50mm test hole on the left wall with soft inside plug and sealed cover
	Door	The single open the door, door and door design around the automatic add hotline,in different work conditions to be automatic operation, ensure the equipment in low temperature environment gate not gel and not frost



Air cool xenon lamps



Water cool xenon lamp