

□ UV Weathering Test Chamber



UV-SI-260

Temperature Range

Ambient ~ 90 °C

Irradiance

0.3 ~ 20 W/m²

BPT

35 °C ~ 80 °C



Paintings & coatings



Plastic



Textile

【Technical Parameter】

Model	UV-SI-260	
Internal Dimension (mm)	450*1170*500	
Overall Dimension (mm)	680*1300*1500	
Specimen Holder Size(mm)	75*180	
Specimen Capacity	24 Pieces	
Irradiation Source	Fluorescent UV lamps (8) - 40 W	
Parameter	Temperature Range	Ambient ~ 90 °C ±2°C
	Black Panel Temperature (BPT)	35 ~ 80 °C
	Humidity Range	≥95% RH
	Bandwidth	290 ~ 400nm
	Irradiance Control	0.3~20 W/m ²
	Water Spray Cycle	1~9999H59M (Adjustable)
	Distance of Specimen and lamp	50mm
Constructure	Heating Element	Nichrome heater
	Controller	Programmable color LCD touch screen controller
		Ethernet connection, PC Link, USB
	Water Supply System	Automatic water supply
		Water purification system
Build-in Water Tank(mm)	350*350*300	
Safety Device	Over-temperature Protection; Over-current Protection; Water Shortage Protection; Earth leakage Protection; Phase Sequence Protection	
Material	Exterior Material	Steel Plate with protective coating
	Interior Material	SUS304 stainless steel
	Thermal Insulation	Polyurethane foam and insulation cotton
Power Supply	380V 50Hz	
Standard	ISO4892-1,ISO4892-3, ASTM G154, ASTM D4329, ASTM D458, ASTM C125, ASTM C1442, ASTM C1519, ASTM C793, ASTM D1148, ASTM D3424, ASTM D3451, ASTM D410, ASTM D481, ASTM D657, ASTM D6662, ASTM D750, ASTM D904, GM 9125P, ISO 29664	
Maximum Noise	65 dBA	
Environmental Conditional	5°C~+35 °C ≤85% RH	

▣ Standard & customized

*pay attention to the environmental condition during installing



Appearance

Safety protect system
 Over Temperature Protection
 Water Shortage Protection
 Over Current Protection
 Earth Leakage Protection
 Phase Sequence Protection

1. Sample Shelf

Flat specimen holders, aluminum panels with rings.
 Each specimen size is 75mm * 180mm, can hold 24 pieces.
 Special sample holder can be customized



4. Automatic Water Inlet

Automatic control of the water intake of equipment, the customer can be directly connected to the laboratory faucet, so as to achieve automated testing;
 Automatic inlet diameter 1/2 inch (13.5mm);
 High and low water level alarm, water shortage lights and sound.
 Standard 2 meter drain pipe.



7. External Material

A3 steel plate with galvanized coating;
 Electrostatic treatment; High and low temperature corrosion resistance; High hardness, anti - impact
 Very high safety factor;
 Color can be customized.

2. UV Lamp

UVA 340 nm and UVB 313 nm fluorescent UV lamps are available for the UV Test. The chamber is equipped with total of 8 lamps, each 40W.
 Easy to change lamps



5. Castor

Install 4 castors for ease moving, and with brakes function.
 Castor height adjustable.



3. Controller

PID programmable color touch screen controller, network connection computer.
 Can edit 120 programs 20 segment.
 LIB also can preset program into the controller based on user testing requirements.
 The set system language is English for standard.



6. Water Re-circulation

Water purifier: mainly purification from water source to water tank.
 Water re-circulation system that reduced water use and a series of water pipes

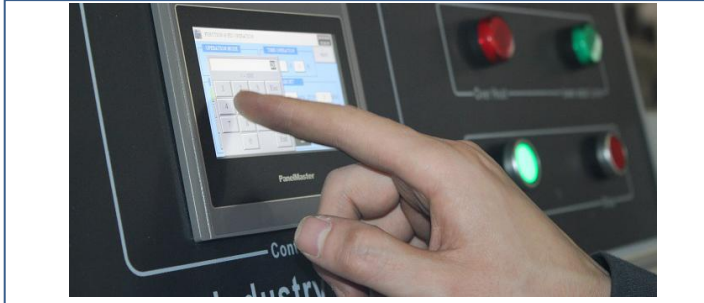


Core Function



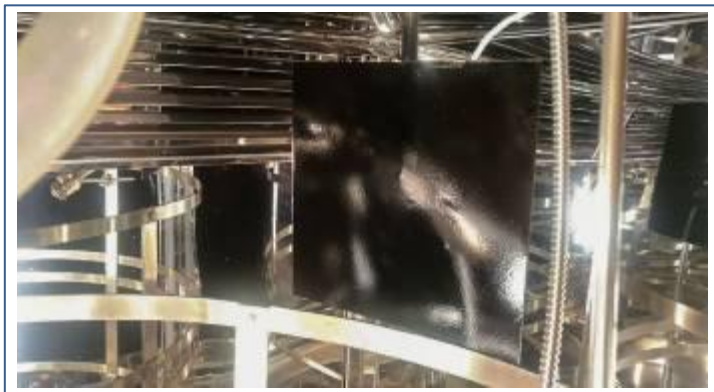
Water Spraying

The water spray pipe is equipped with ten nozzles, the diameter of the nozzle is 0.5mm, the settlement is 0.8 ~ 1.0mm / 80cm² / H, and the flow rate is 0.3L / min, which simulates outdoor moisture damage to the material.



Controller System

The PID controller as the main control unit to command, operate, detect and redistribute the various components of the equipment to achieve maximum effective use.
Screen display function: LCD display, which can display test conditions including temperature, water spraying, black panel temperature and irradiance and time.



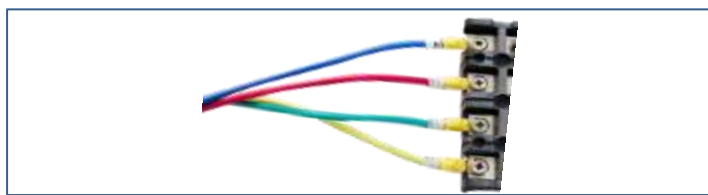
Black Panel Thermometer

The blackboard thermometer is composed of a stainless steel flat plate with a length of 150 mm, a width of 70 mm, and a thickness of 1 mm. The side of the board facing the light source should be coated with a black flat lacquer to absorb at least 90% of the total incidence. The temperature measurement of the blackboard is made by a platinum resistance sensor located in the center of the plate.



Radiometer

UV Irradiance Radiometer is available for UV test chamber.
The radiometer is a photoelectric sensor with fast response, reliable performance and high accuracy.



Wiring System

Voltage 380V 50Hz 3 phase.
L1, L2, L3, PE, N, grounding protection.
Standard 2m long cable,

Over Temperature Protection
Water Shortage Protection

Over Current Protection
Phase Sequence Protection

Earth Leakage Protection

Protection System

Specimen Holder

- Special sample holder can be customized

Demineralized Water Device

Reverse Osmosis Unit

Controller

- WiFi connection
- Mobile APP control
- Multi-language controller interface: Russian, French, Polish, Romanian, German

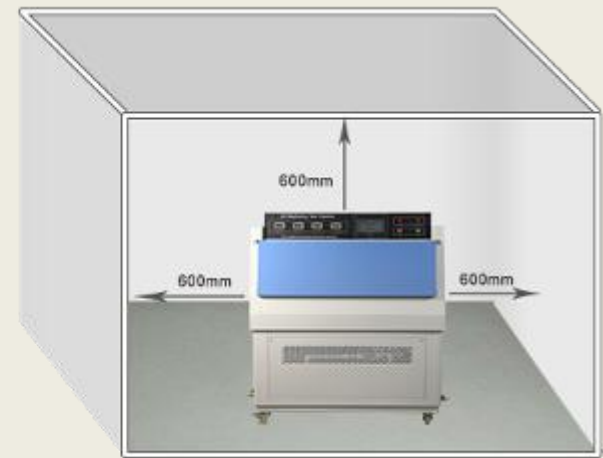
Install Condition

Environment Conditions

Temperature: +5°C ~ +35°C
 Relative humidity: ≤85%;
 Pressure: 86 KPa—106 KPa

Space Conditions

Sufficient space for ventilation



***Safety Instruction:** 1. Prohibited to test explosive, inflammable and high corrosive substance
 2. Chemical exposure to the equipment is prohibited
 3. Equipment must be safety on the ground to avoid electrostatic induction

Packaging



First, seal chamber with waterproof plastic film. Protect chamber from seawater corrosion.
 Second, buffer foam is placed in the four corners of the chamber. It is used for fixing equipment to prevent shaking and damaging chamber during transportation.



Plywood: standard wood export packaging. The wooden box is fixed by sheet metal to prevent damage during transportation.

Gross weight: 650kgs~
 Package size: 2500*1500*1500 mm

Warranty Condition

Our company will repair the product, if the product, the material of the parts, the design and manufacturing of the products raised hardware problems caused by product itself rather than human error within three years warranty period since the date of dispatching by the customer.

Our company repairs the products, but will collect the basic costs of the spare parts after the warranty period, but service is free always.

Shipping



Material: Export standard wooden box

*Can be used for Sea, Air, Railway, Truck and multimodal transport.

Warranty & Service

- 3 Years Warranty, Lifelong Follow-up

Professional After-sales Team
 If you have any questions during operation, we will supply solution to you with 24 hours.

How to Service

1. At first, our test chambers are produced based on 20 years product lifetime.

Normally once test chambers have problems, we judge the problems, and send spare parts to our customers, and teach them how to change new parts on by email or video, all spare parts and shipping cost (by DHL, TNT, and FedEx) paid by LIB.

2. If the customer needs our engineer on-site service, they only need pay the ticket accommodation to our Engineers, service is for free.

3. If products still can't use after our engineers repair, we will produce a new test chamber (same as the old one) to our customers with no charge.

PROVIDING TEST SOLUTION, PROVIDING TEST EQUIPMENT

Xi'an LIB Environmental Simulation Industry is a lead provider of environmental test chamber in China, with its own brand (LIB) design, production, sales and service since 2009. We continually update technology and develop new products for customer's needs.

Our main products included temperature and climate test chambers, corrosion chambers, weathering testers, IP dust and rain chambers, ozone test chamber, noxious gas SO2 H2S chamber, walk-in chambers. We provide test chamber, we provide test solution. Standard and customized products to meet different customer needs.

By 2018, global market has spread to 53 countries to USA, Canada, Mexico, Brazil, Peru, Russia, German, UK, France, Finland, Netherlands, Poland, Switzerland, Thailand, Philippines, Singapore, Malaysia, Australian, South Africa etc. and the market continues to expand.

At present 7 Tier-one agents around the world provide LIB products, installation and maintenance service for customers. Make things simple and convenient.

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LIB Industry®

LIB became a registered trademark of our company since 2017 year.

PARTNER



CE ROHS

