

HD-E711 Xenon Aging Test Chamber

Product description:

Xenon aging test chamber can simulate the full sunlight spectrum of xenon arc lamp to reproduce the destructive light waves in different environments, to provide the appropriate environmental simulation and accelerated test for scientific research, product development and quality control.

Climate Tester can provide xenon Weathering test chamber simulate the hazards caused by sunlight, rain and dew, the leading cause of product degradation, application materials such as coatings, plastics, aluminum panels, and automotive safety glass.

Main Parameter:

Item	Specification
Internal Dimension (W*D*H)	700*500*600mm
External Dimension (W*D*H)	1350*1300*1850mm
Internal chamber material	SUS 304 # Stainless Steel, anti-rust
External chamber material	Cold-rolled steel with spray
Chamber humidity range	55%~90% RH
Chamber temperature	35°C~90°C
Black panel temperature	45°C~95°C, adjustable
Temperature uniformity	≤±3°C
Filter	Window glass filter / daylight filter
Light source	Air cooled long arc xenon lamp
Xenon lamp power	1.8KW * 3pcs = 5.4KW
Irradiance strength	0.51W/m²@340nm
Control system	LCD programmable controller, Auto display irradiance, capacity: 100 groups program, 99 cycles.
Illumination time	1~999 hours, adjustable
Water spray system	Water spray time 999 minutes settable Interval spray time, 1~240 minutes settable
Sample holder	Stainless steel, 1pc
Distance from sample	250~300mm

holder to lamp	
Heating	Nickel-chromium alloy electric heater
Humidification power	Stainless steel surface evaporative humidifier
Insulation materials	Supper fine glass fiber
Temperature sensor	PT100 high precision sensor
Air circulation system	Stainless steel centrifugal rotor vane to improve the uniformity of temperature and humidity
Standard accessories	Xenon lamp x 3pcs; Humidification cotton x 5pcs; English user manual x 1pc; Operation video x 1pc

Main Feature:

- 1, Ventilation system: Automatic controlled by temperature controller, and inner chamber cooled by refrigerating system
- 2, Back panel thermometer: adopt wired transmission technology, which highly improve the control accuracy.
- 3, Temperature sensor: PT100 platinum resistance thermocouple.
- 4, Equip with intelligent temperature and humidity controller, with PID adjustment and rapid self-turning. It can set several parameters to do cyclic test, directly digital temperature display for easy reading.
- 5, Multiple protective devices: Over temperature protection, water leakage alarm, over pressure of compressor, electricity leakage protection, alarm and auto power offer protection. In order to protect Xenon light, the light will turn off automatically once open the door.

- 1, using full-spectrum xenon lamp LED;
- 2, a variety of alternative filtration system;
- 3, rain shower function;
- 4, relative humidity control.
- 5, chamber air temperature control system;
- 6, irregular shape of the sample holder;

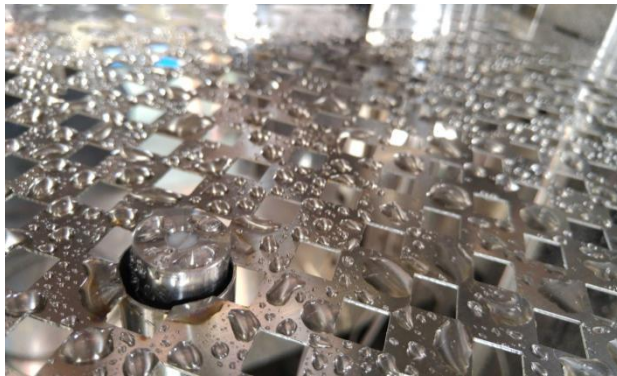
Detail Images:



PLC controller



Xenon lamps



Irradiance meter



Black panel temperature sensor