

28. Xenon Accelerated Aging Test Chamber

Application:

Xenon test chamber provides precise control of critical test parameters including spectrum, irradiance, relative humidity, chamber temperature and black standard temperature. It is ideally designed for the selection of new materials, the improvement of existing materials or evaluating the changes in product formulation that affect product durability. This is an ideal instrument for total accelerated light stability and weathering testing; And can be used to test for light stability quickly.



Other Climate & Environmental Test Chambers

Specifications

Model	MSUN-200	MSUN-512	MSUN-1000
Volume	200L	512L	1000L
Internal Dimension (D×W×H mm)	50*40*70	800*800*800	1000*1000*1000
Gross Weight (Kgs)	175 Kgs	250 Kgs	450 Kgs
Power Supply	4.5KW	6.5KW	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/m ²	±0.01 W/m ²	±0.01 W/m ²
Irradiance	200~800W/m ²	200~800W/m ²	200~800W/m ²
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, 380V, 50/60Hz;	AC380V±10%,	AC380V±10%,