

Xenon Climate Test Chamber



Introduction

Xenon Climate Test Chamber simulates full spectrum, users can test the durability of specimens in destructive spectrum environment.

TCT Xenon Climate Test Chamber include water cooling type, air cooling type and benchtop mini type.

Using Areas

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|-----------------------------------|--------------------|
| ➤ Coating industry | ➤ Plastic industry |
| ➤ Aluminium-plastic panel testing | ➤ Motor industry |
| ➤ Science laboratory | ➤ Others |

The advantages of TCT Xenon Climate Test Chamber

- The using life of Xenon arc lamp is longer
- TCT Xenon Climate Test Chamber meet the international testing standards
- 1 year warranty period for machine + 3 years free providing for spare parts

Production Standards

- GB/T2423.24-1995, GB/T16422.2, GB9344, GB/T1865-97
- ISO105-B02, ISO105-B04, ISO105-B06, ISO105-B07, ISO105-B10, ISO11341, ISO12040, ISO29664, ISO4892-1/2, SAE J2412, SAE J2527, VW PV1306, VW PV3929, VW PV3930.
- AATCC TM16, AATCC TM169, ASTM C1257, ASTM C1442, ASTM C1519, ASTM C732, ASTM C734, ASTM C793, ASTM D1148, ASTM D1670, ASTM D2565, ASTM D3424, ASTM D3451, ASTM D4101, ASTM D4303, ASTM D4355, ASTM D4434, ASTM D4459, ASTM D4637, ASTM D4798, ASTM D4811, ASTM D5019, ASTM D5071, ASTM D5383, ASTM D5398, ASTM D5819, ASTM D6083, ASTM D6551, ASTM D6577, ASTM D6662, ASTM D6695, ASTM D6878, ASTM D7356, ASTM D750, ASTM D7869, ASTM D882, ASTM D904, ASTM D925, ASTM F1164, ASTM F1515, ASTM F2366, ASTM G151, ASTM G155, GM9125P, IEC-61345.

Common Specifications

Internal Materials	SUS304 Stainless Steel
Temperature Range	Rt+10℃ ~ +70℃
Temperature Fluctuation	± 0.5℃

Temperature Uniformity	$\pm 1.0^{\circ}\text{C}$	
Humidity Range	60% ~ 98%RH	
Rain Period	0 ~ 999 minutes(Adjustable)	
Lamp Power	6 Kw	
Lamp Life	1200 hours	
Effective Irradiation Area	0.63 m ²	
Irradiation Distance	350 ~ 375mm	
Test Shelf Rotation Speed	$\geq 1\text{r/min}$ (adjustable)	
Irradiation Wave Length	(350 ~ 850nm) 850W/m ² (adjustable)	
Nozzle Water Pressure	78 ~ 127kPa	
Cooling Way	Water Cooling Way Or Air Cooling Way	
Control system	Controller	PLC controller
	Running mode	Fix or Program running
	Sensor	PT100
Safety function	Over-temperature protection	
	Electric leakage protection	
	Power phase protection	
	Over-current protection	
	Fuse protection	
	Water shortage protection	
	Ground protection	
Using environment	Temperature	$\leq +30^{\circ}\text{C}$
	Humidity	$\leq 85\% \text{ RH}$
	Atmosphere	86 ~ 106 kPa
Noise	$\leq 65 \text{ dB}$	
Water source standard	Purified water	
Power supply standard	120V/220V/240V/380V/415V, 50Hz/60Hz, Single or three phases	



Standard Model

Model	Working Room Size (D × W × H)	Test Shelf Type	Cooling Way
Xe-190FL	500 × 760 × 500mm (190 Liters)	Horizontal Shelf	Air Cooling
Xe-767SL	950 × 950 × 850mm (767 Liters)	Rotation Shelf	Water Cooling
Xe-48TS	320 × 500 × 300mm (48 Liters)	Horizontal Shelf	Air Cooling

If you have the more requirements, please contact us!