

UV Climate Test Chamber



Introduction

UV Climate test chamber is used for testing light fastness and aging resistance of non-metallic materials

TCT UV Climate test chamber is used with 8 pcs UV340 or UV313 lamps, users can adjust the lamp quantity and illumination intensity by manual

Irradiance controlling meter is the same as "Eye", it can monitor the irradiance intensity and adjust the lamp power, so that, the lamp life can be up to the best longest life.

Using Areas

➤ Science laboratory	➤ Universities
➤ Textile industry	➤ Research institutions
➤ Productive enterprises	➤ Others

The advantages of TCT UV Climate Test Chamber

➤ The using life of lamps is longer
➤ The operation is easy with PLC touch screen controller
➤ Users can choose UVA-340 or UVB-313 lamps in the working room
➤ 1 year warranty period for machine + 3 years free providing for spare parts


Production Standards

➤ GBT16422.3、GBT14522、GBT5170.9、GB16776.
➤ JIS D-0201、H-8502、H-8610、K-5400、Z-2371、ISO3768、3769、3770
➤ ASTM G154、ASTM G151

Common Specifications

Internal Materials	SUS304 Stainless Steel
Working Room Size	400×1140×390mm (D×W×H)
Lamps	UVA-340 or UVB-313 (8 pcs)
Wave Length	UVA (315 ~ 400nm), UVB(280 ~ 315nm)
Lamp Power	40W / Each
Lamp Life	≥1600 hours
Test Time	0 ~ 999 hours(Adjustable)
Center distance of lamp	70 mm

Distance of specimen and lamp	50±3mm	
Irradiance	1.0 W/m2 (Adjustable)	
Effective Radiation Area	900×290mm	
Irradiance blackboard temperature	+50℃ ~ +70℃	
Specimen Size	75×290mm	
Specimen Shelf Quantity	24 sets	
Temperature Range	Rt +10℃ ~ +70℃	
Temperature Fluctuation	±0.5℃	
Temperature Uniformity	±1.0℃	
Humidity Range	≥90%RH	
Water Consumption	8 liters/ day	
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	≤+30℃
	Humidity	≤85% RH
	Atmosphere	86 ~ 106 kPa
Noise	≤65 dB	
Water source standard	Purified water	
Power supply standard	120V/220V/240V/380V/415V, 50Hz/60Hz, Single or three phases	

 Standard Model			
Model	Condensation	Irradiance Control	Water Spray
Se-001	Yes	Yes	Yes
Se-002	Yes	Yes	No
Se-003	No	No	No

If you have the more requirements, please contact us!

