

UV Accelerated Test Chamber

Applications

1. Simulate the sun, rain spray and condensation resulting damage to test the materials by exposure to sunlight.
2. To get the results of damage after several days or weeks which is equal to expose to outside for a few months.
3. Provide reference with testing data for improvement of existing materials, or to assess the impact of changes in product durability.

Standard Features

Output Dimension (WxDxH)	1300×500×1460mm
Chamber Material	SUS#304 stainless steel
Temperature Range	RT ~70 °C
Temperature Fluctuation	±2 °C
Temperature Control	PID SSR control
Humidity Range	≥95%RH
Controller	Programmable controller, LCD touch screen
Control Mode	Balance temperature humidity control (BTHC)
Test Cycle Setting	Exposure, condensation and water spray test cycle is programmable
Lamp Power	40W/Piece
Distance from sample to lamp	50±2mm
Centre distance between the lamp	70mm
Irradiance	0.45~0.8W/m ² (optional)
UV Lamps	Imported Atlas UV-A: 315-400nm (8pcs, 1600h lifetime)
Standard Specimen Size	75×290mm (24pcs) or 75×150mm (48pcs), max. thickness 5mm
Testing Time	0 ~ 999H, adjustable
Protection Time	Overload short circuit protection, over temperature protection, water lacking protection, earth leakage protection, auto shut off protection