

YL-2206QK UV weathering chamber

Purpose:

UV weathering chamber adopts fluorescent UV lamps as light sources to perform accelerated weathering test on materials by means of simulating ultraviolet radiation and condensation of nature's sunshine, so as to know about the weather ability of materials

This machine is apply to nonmetal material, organic material (like paint coating, rubber, plastic and products made in these materials) .

Standards: GB/T14522-93,GB/T16422.3-1997,GB/T16585-96 etc.

Specifications:



Temperature Range	RT+10~70℃
Humidity Range	≥95%R.H
Temperature Fluctuation	≤±0.5℃
Temperature Uniformity	≤±2℃
Humidity Fluctuation	≤±2%
Humidity Uniformity	≤±2%
Distance between lamps	70mm
Distance between specimen and lamp	50±2mm
Specimen size	150mm×75mm(approx.48pcs)
Chamber inner dimensions(D×W×H)	450×1170×500mm
Wavelength of UV	290nm~400nm (Please specify when order)
Rated Power	40W
Simulated condensation	Condensation system time adjustable
UV exposure and simulated condensation time range	0-99hrs
Test time	0-999hrs adjustable
Irradiance	≤50w/m <sup>2</sup>

Light Source:

- Using 8 fluorescent UV lamps whose rated power are 40W as light sources. These 8 lamps are dispersed both sides of the chamber, 4 lamps each side. There are UVA-340 and UVB-313 light sources for optional.
- Luminescent spectrum of UVA-340 lamp is mainly concentrate upon 340nm wavelength.
- Luminescent spectrum of UVB-313 lamp is mainly concentrate upon 313nm wavelength.
- As energy output from the fluorescent UV lamps will deteriorate gradually over time, using a new lamp to replace an old one every other 1/4 lifetime of lamps so that the light sources composed by new and old lamps to get a constant energy output to avoid any effect caused by reduction of light energy output.
- Lifetime of lamp is around 1,600~1,800 hrs.