

Bench-top UV Test Chamber

Sonacme Technology Benchtop UV Test Chamber can reproduce the damage caused by sunlight, rain and dew. The aging effects of months or even years outdoors can be reproduced in days or weeks. Testing was performed in alternating cycles of UV light and humidity by exposing the material to higher temperature-controlled conditions.

Simulate sunlight with fluorescent UV lamps, dew and rain by means of condensation or/ water spray.

The chamber uses three 20W fluorescent ultraviolet lamps with a wavelength of 313nm (or 340nm) as the experimental light source, and can expose 18 standard samples (size 150mm×70mm) at a time.



Parameter

Model	SB/UV/A
Light Source	3 sticks, 20W
Wavelength	313nm (or 340nm)
Lamp Rated Life	1000h
Lamp Irradiation Energy	0.7W/m ²
Test Time Setting Range	1h~99,999h
Spray Time Setting Range	1min~99,999min
Spray Interval Time Setting Range	1min~99,999min
Closest Distance from the tube wall to the sample	50 mm
Sample Turret Speed	3.7c.p.m
Water Consumption	4L/minute (spray water) ; 7L/day (water for condensation)
Operation room Temperature Setting Range	Chamber Temperature+5°C ~ 60°C
Test Sample Size Required	150mm×70mm (18 standard samples can be exposed at one time)
External Dimensions of Test Chamber (L×W×H)	940mm×490mm×630mm
Power Supply	220V/50HZ,6A
Total Instrument power	1.2 KW

● Rotatable Sample Holder

18 standard samples (150mm×70mm in size) can be exposed to the sun at a time. The uniform rotation of the sample holder ensures that each sample can get the same irradiation energy.



● SUS 316 stainless steel inner chamber

The optimized stainless steel interlayer liner design will never rust and leak, and at the same time effectively prevent the water vapor in the work room from penetrating into the electrical part to damage the electronic components.



● Evenly Distributed Spray Holes

The new and improved spray holes make the spray more uniform and improve the comparability and reproducibility of test results.



● Touch screen is easy to operate

The operator can arbitrarily set various parameters required for the test through the man-machine interface, and can check the running status of the machine at any time.



● Built-in Alarm Function

Built-in water level switch, the machine will automatically alarm and stop automatically when the water level is low. All-round protection of the machine.



● Cost-effective

This is an economical, simple and applicable Benchtop UV test chamber. With low purchase price, low-priced lamps and low running costs, even small labs can afford it.

