

CINSUN

Stable Reliable Consistent



UV aging tester
UV-master



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UV aging tester— Material UV resistance aging and fading performance test

UV aging tester, It is used for the light resistance, weather resistance and photoaging test of various synthetic material. The exposure test of the sample can be carried out in a fluorescent UV lamp climate chamber with controlled environment. By simulating and strengthening the light, heat, humidity, rainfall, and etc received in the natural climate as the main environmental factors of aging damage. The results of the weather resistance of the material can be obtained by simulating the accelerated test under long-term exposure.

UV-master UV aging tester

1. It can simulate environment of ultraviolet, rainfall, high temperature, high humidity, condensation, darkness, and etc in natural climate. By reappearing these conditions, they are combined into one cycle and let it automatically execute and complete the number of cycles. This is how the UV aging test chamber works.

2. Illumination Intensity Sensor Loaded Reasonably in Test Box. the front end of the sensor stretches into the test chamber, the light intensity can be detected through the special glass optical channel at the front end. The good sealing performance makes the circuit part of the whole sensor not subject to the harsh environment such as temperature inside the chamber, humidity and spraying water that ensures the stability and repeatability of the test process.



Standards compliant

JTG E50 T1164 GB/T 14522-93 "Plastics, Coatings, Rubber Materials for Mechanical Industry Products, Accelerated Test Methods for Artificial Climate"

GB-T16422.3-1997;ISO4892-3:1994"Plastic Laboratory Light Source Exposure Test Method", etc.

ISO11507、ISO11895、ISO11997、ASTM G151/154、D4329、D4587、D4799、JIS D0205、

SAE J2020、EN534、EN927、EN1297、EN1898、EN12224、EN13523、BS2782、GM4367M、

GM9125、ANSI、U.S.GOV'T、DIN

UV-master UV aging tester—— Field Application



Intelligent touch screen control panel

Microcomputer control system is more efficient and reliable, which can be programmed by 7-inch color LCD touch screen to achieve control, detection, calculation, data display and other functions.



Powerful software features

The enhanced control system can handle complex custom programs and simple pre-programmed tests. The simple icons on the operation page are clear and easy to understand; The irradiance, temperature and humidity can be programmed to change step by step to meet various test requirements of users.



Multi-directional protection design

The tester is equipped with electric current and voltage, water quality monitoring, temperature monitoring, water flow monitoring, protection of water shortage, over temperature, and electric leakage, etc to ensure safety of the equipment and personnel.



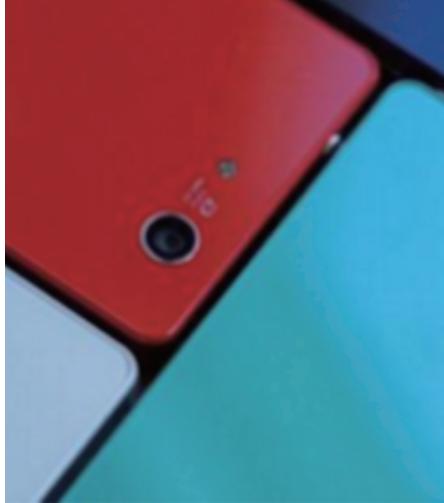
Larger test area

The imported UV lamp and the larger test box, which can test up to 48 sample holders at a time to improve the exposure consistency of all samples.



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UV-master UV aging tester—— Field Application



UV aging tester, It is widely used in plastics, paint coatings, inks, packaging, automotive materials, actinic materials, pigment dyes and textiles and so on.



It is applicable to the performance verification of new products, quality control of the production department, and the material properties for the third-party testing organization, the product performance verification laboratory, and the quality and technical supervision department, etc.



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UV-master UV aging tester—— Configuration parameter

■ Standard configuration ■■■



UV001

Sample holder



UV002

Modulator tube



UV003

Irradiance monitoring



UV004

Blackboard temperature
monitoring



UV005

Box temperature
monitoring



UV006

Water tank temperature
monitoring

UV-master UV aging tester—— Configuration parameter

Optional Accessories



UV007

Pure water machine



UV008

Gray discoloring card

Technical Parameters

| | |
|--|--|
| Control mode: automatic | Humidity: up to 100% |
| Illumination range: Maximum 1.55 W/m ² (UVA); 1.23 W/m ² (UVB) | Number of sample holders: 24 (75x300mm /piece) or 48 (75x150mm/piece) |
| Illumination uniformity: ≤ 4% (at the surface of the sample) | Spraying time: it can be set. |
| Irradiance monitoring (for 313nm and 340nm modulator tubes): quantitative closed-loop control | Light source: 8 pieces of 40 watt UV fluorescent tubes Modulator tubes life: up to 5000 hours or more |
| Blackboard temperature setting range: 35-80°C, blackboard temperature control accuracy: ±2°C | Weight:165kg Power supply:220V 50Hz |
| Sink temperature control range: 30-60°C | Appearance size::1500mm×1500mm×2200mm |



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