YUYANG INDUSTRIAL CO., LIMITED
China Manufacturer of Fire Testing Equipment

Professional 2 KW Xenon Arc Test Chamber Temperature And Humidity Chamber

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- **Product Details:**
- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **GB/T8427 ISO105-B02 GB/T8430 ISO105-B04 GB/T14576**
- Model Number: **YY1007**
- **Payment & Shipping Terms:**
- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **15-20 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **2 sets per month**

- Share to：

Professional 290～800nm Wavelength 2 KW Environmental Xenon Arc Test Chamber

Purpose:

Xenon arc test chamber are used for the best simulation of full-spectrum sunlight to reproduce destructive waves existing in different environments. Used for scientific research, product development and quality control to provide the appropriate environment simulation and accelerated testing. Xenon weathering test can be used for the durability test after the selection of new materials, improving existing assessment materials or changes in material composition changes, this test chamber can be use for best simulation of material changes when exposure to the sun in different environmental conditions.

Standards:

GB/T8427-1997, ISO105-B02 Colour Fastness to Artifical Light-Xenon Arc Fading Lamp Test GB/T8430-1997, ISO105-B04 Colour Fastness to Artifical Weathering- Xenon Arc Fading Lamp Test
GB/T14576-1997 AATCC16;JIS 0843

Characteristics:

1) Large color touch screen display, a variety of expressions: animation, digital, graphics, etc., real-time monitoring of working condition;
2) Mitsubishi sixteenbit industrial SCM control, strong anti-interference ability;
3) Using the latest power saving technology, no need to equip with voltage regulator;
4) Self-shaping system, the space for the sample is flexible, so it can ensure the samples under uniform light;

5) Test chamber is equipped with high power refrigeration system, temperature can be controlled in a wide range, and it effectively guarantees the test environment temperature precise;
6) Import ultrasonic atomizer, mist spray evenly without noise;
7) Double loop electronic redundancy design, make sure that instruments trouble-free operation in long time;
8) Open program design, user can set machine working procedure corresponding to their own requirements, in order to meet different standard test requirements;
9) With failure prompts and self-diagnostic features: multi-point monitoring (1. light energy 2. temperature 3. humidity 4. draught fan 5. Xenon lamp 6. door), easy maintenance;
10) Dynamic curve displays the irradiance, temperature, humidity;
11) Using clutch transmission between rotating frame and motor, the rotary frame has flexible rotation, can easily fix specimens without inching;
12) Built-in water tank connected with tap and automatically control of water inflow with filter, so it will not cause pump burned or blockage due to water shortage;
13) Sample holder has independent timing function, so the samples can place at different time, testing costs cut down..

Technical Parameters:

1. Temperature range: RT+10℃～80℃
2. Humidity range: 50～90% RH
3. Black panel temperature: 63～100℃; ±3℃
4. Temperature fluctuation: ≤±0.5℃
5. Temperature uniformity: ≤ ±2.0℃
6. Glass window light filter: 3pcs
7. Light source: imported air-cooled lamp (USA Q-Panel)
8. Lamps: 4 (1 pcs for standby)
9. Rainfall duration: 0～9999min, continuous rainfall adjustable
10. Rainfall cycle:0～240min, rainfall interval adjustable
11. Water spray cycle (water spray time/water no spray time): 18min/102min
12. Xenon arc lamp power: 1.8KW*3=5.4 KW
13. Heating power: 2KW
14. Humidity power: 0.75KW

15. Space between sample holder and lamp: 230～280mm
16. Wavelength: 290～800nm radiation strength:500～1200W/m2
17. Sunlight Time: 1～999h,m,s, light cycle can be continuously adjustable.
18. Test chamber size: 50*80*50CM


Xenon Arc Test Chamber
Controller