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

ISO11341 / ASTM D1148 Environmental Test Chamber For Xenon Weathering Aging Test

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- **Product Details:**
- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **ASTM D4329D499D4587D5208G154G53;ISO 4892-3ISO 11507;EN534;EN 1062-4BS 2782;JIS D0205;SAE J202**
- Model Number: **YY1023**
- **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：

ISO11341, ASTM D1248, ASTM D3451, ASTM D1148 Xenon Weathering Aging Test Chamber

Applications:

UV accelerated weathering test chamber simulates damaging effects of long term outdoor exposure of materials and coatings by exposing test samples to varying conditions of the most aggressive components of weathering - ultraviolet radiation, humidity and heat. A UV weathering test chamber uses fluorescent lamps to provide a radiation spectrum centered in the ultraviolet wavelengths. Moisture is provided by forced condensation, and temperature is controlled by heaters.

Main technical parameters:

Model	YY1023
Inner size	1170×450×500(L×W×H)MM
Outside dimension	1300×550×1480(L×W×H)MM
Whole chamber materials	304# stainless steel
Temperature range	RT+10℃~70℃
Temperature uniformity	±1℃
Temperature fluctuation	±0.5℃
Temperature control	PID SSR control
Humidity range	≥90%RH
Controller	Korean TEMI 880 programmable controller, touch screen, LCD display
Control mode	Balance temperature humidity control (BTHC)
Communication port	Be able to control the machine via computer using TEMI control software through RS-232 port on the machine
Test cycle setting	Illumination, condensation and water spray test cycle is programmable

Distance from specimen to lamp	50±3mm (adjustable)
Center distance between the lamps	70mm
Lamp power & length	40W/Piece, 1200mm/Piece
Lamps amount	8 pieces of UVA-340nm imported Philip lamps
Lifetime of lamp	1600Hours
Irradiance	1.0W/m2
Wavelength of ultraviolet light	UVA is 315-400nm
Effective irradiation area	900×210mm
Irradiation black panel temperature	50℃~70℃
Standard specimen size	75×290mm/24 pieces
Water depth for water channel	25mm, automatically control
Testing time	0~999H, adjustable
Power	AC220V/50Hz /±10% 5KW
Protection	Overload short circuit protection, over temperature protection, water lacking protection
Corresponding standard	ASTM D4329,D499,D4587,D5208,G154,G53;ISO 4892-3,ISO 11507;EN534;EN 1062-4,BS 2782;JIS D0205;SAE J2020

Structure of test chamber:

1, using CNC equipment manufacturing, advanced technology, and beautiful appearance;
2, made of stainless steel, 1.2mm thickness;
3, the air path inside the single cycle system, import a axial fan, the air flow increases the light, heat capacity, significantly improves the uniformity of temperature in the test chamber;
4, Lamp: special UV ultraviolet lamp, two rows of eight, 40W / support;
5, lamp life: above1600h;
6, the consumption of water: tap water or distilled water to about 8 liters / day;
7, 8 pieces of UVA lamp installed on both sides;
8, the heating tank for the interior heating, warming fast, uniform temperature distribution;

9, is a two-way clamshell lid, close ease;
10 automatic water tank level to prevent damage to the heating pipe air burning
11, a sample holder made of stainless steel or aluminum alloy;
12, at the bottom of the unit using high quality PU wheels fixed;
13, the drainage system using a U-shaped plot sinks drainage;
14, the test sample surface with UV light parallel to the plane;
15, internal automatic sprinkler system installed sprinklers, adjustable water pressure;

Protection System:

1, ground protection;
2, the power overload short-circuit breaker;
3, the control circuit overload, short-circuit fuse;
4, water protection;
5, over-temperature protection;

Heat System:

1, using U-shaped titanium alloy high-speed electric heating pipe;
2, temperature control and lighting system is completely independent;
3, the output power by the microcomputer temperature control algorithms to achieve high precision and high efficiency power efficiency;
4, with anti-over-temperature heating system features;