

XENON WEATHERING TEST CHAMBER (AIR COOLED)

氙灯耐候试验箱 (风冷式) HD-E711-1



INTERNAL CHAMBER
内箱

仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

满足标准 Test Standard

GB/T16422.2, GB/T16259, GB/T29061, GB/1865, GB/18244, GB/T14522, ISO 4892-2, ISO11507, SAE J2527, SAE 242, ASTM G155, ASTM D4459, IEC 60068-2-5

技术参数 Technical Parameters

| | | | |
|--------------|--|-------------------|------------------|
| 内箱尺寸 (W*D*H) | 750*500*600mm | 800*800*800 mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1300*1000*1700mm | 1450*1350*2150 mm | 1650*1550*2350mm |
| 内箱材质 | 304不锈钢, 防尘, 易清洗 | | |
| 外箱材质 | 烤漆/不锈钢 | | |
| 箱内湿度 | 光循环30%~50%RH、暗循环30%~95%RH(双温控制时为50%~90%RH) | | |
| 湿度均匀度 | ≤ ±5%RH | | |
| 箱内温度 | 20℃~80℃, 可设定(双温控制时, 38℃或40℃ ± 3℃) | | |
| 黑板温度 | 30℃~95℃, 可设定(双温控制时, 65℃或63℃ ± 3℃) | | |
| 温度均匀度 | ≤ ±2℃ | | |
| 滤光片 | 窗玻璃滤光片(标配)、日光滤光片、延展紫外线滤光片 | | |
| 光源 | 风冷长弧氙灯 | | |
| 辐照强度 | 290~800nm波段550~1120W/m ² , 双温控制时辐照度:0.3~1.3W/m ² , 0.51 ± 0.02W/m ² (340nm) | | |
| 控制系统 | LCD可编程控制器, 自动显示辐照度, 可设定100组程序, 每个程序含99个循环 | | |
| 光照时间 | 1~999 Hours, Adjustable | | |
| 淋雨系统 | 喷水时间999分钟可调, 间断喷水时间1~240分钟可调, 可周期循环设定 | | |
| 触发器功率 | 3kW, 工作电压交流220V, 电流25 ± 3A | | |
| 淋雨喷嘴 | 直径: 0.8mm (回水带超精细过滤器防止喷嘴堵塞) | | |
| 试样架 | 304不锈钢试样架 | | |
| 试样与灯管距离 | 250~300mm | | |
| 氙灯寿命 | 1200小时 | | |
| 氙灯功率 | 2.5kW*3pcs=7.5kW | | |
| 电源 | 三相, AC380V 50Hz | | |
| 辐照量 | 自动演算累积辐照量并自动停机, 可根据客户要求定制 | | |

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|-------------------------------------|---|-------------------|------------------|
| Internal Dimension | 750*500*600mm | 800*800*800 mm | 1000*1000*1000mm |
| External Dimension | 1300*1000*1700mm | 1450*1350*2150 mm | 1650*1550*2350mm |
| Internal Chamber Material | Stainless Steel 304, Anti-rust, Easy To Clean | | |
| External Chamber Material | Paint Spray/ Stainless Steel | | |
| Chamber Humidity Range | 30%~50% RH (Light Cycle)30%~95% RH (Dark Cycle) | | |
| Humidity Uniformity | ≤ ±5%RH | | |
| Chamber Temperature | 20℃~80℃, Adjustable(double temp. control, 38℃ or 40℃ ± 3℃) | | |
| Black Panel Temperature | 30℃~95℃, Adjustable(double temp. control, 65℃ or 63℃ ± 3℃) | | |
| Temperature Uniformity | ≤ ±2℃ | | |
| Filter | Window filter, Daylight filter, Extend UV Filter | | |
| Light Source | Air Cooled Long Arc Xenon Lamp | | |
| Irradiance Strength | 550~1120W/m ² @290~800nm, Adjustable 0.3~1.3W/m ² at double temperature control and 0.51W/m ² @340nm | | |
| Control System | LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles | | |
| Illumination Time | 1~999 Hours, Adjustable | | |
| Water Spray System | Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable, cycle settable | | |
| Power trigger | 3kW, AC220V, 25 ± 3A | | |
| Water Spray Nozzle | Diameter: 0.8mm | | |
| Sample Holder | Stainless Steel 304 | | |
| Distance From Sample Holder To Lamp | 250~300mm | | |
| Xenon Lamp Lifetime | 1200hours | | |
| Xenon Lamp Power | 2.5kW*3pcs=7.5kW | | |
| Power Supply | Three Phase, AC380V 50Hz | | |
| Irradiation | Automatic calculus accumulates irradiation and stops, can be customized | | |

XENON WEATHERING TEST CHAMBER (WATER COOLED)

氙灯耐候试验箱 (水冷式) HD-E711-2



TURNABLE SAMPLE TRAY
转盘式试样架

仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

技术参数 Technical Parameters

| | | |
|--------------|--|-------------------|
| 内箱尺寸 (W*D*H) | 800*800*800mm | 1000*1000*1000 mm |
| 外箱尺寸 (W*D*H) | 1450*1350*2150 mm | 1650*1550*2350mm |
| 内箱材质 | 304不锈钢, 防尘, 易清洗 | |
| 外箱材质 | 烤漆/不锈钢 | |
| 箱内湿度 | 光循环30%~50%RH、暗循环30%~95%RH(双温控制时为50%~90%RH) | |
| 湿度均匀度 | ± 5%RH | |
| 箱内温度 | 20℃~80℃, 可设定(双温控制时, 38℃或40℃ ± 3℃) | |
| 黑板温度 | 30℃~95℃, 可设定(双温控制时, 65℃或63℃ ± 3℃) | |
| 温度均匀度 | ≤ ±2℃ | |
| 滤光片 | 窗玻璃滤光片(标配)、日光滤光片、延展紫外线滤光片 | |
| 光源 | 水冷型全太阳能光谱长弧氙灯 | |
| 氙灯功率 | 1支6.5kW | |
| 辐照强度 | 290~800nm波段550~1120W/m ² , 双温控制时辐照度:0.3~1.3W/m ² , 0.51 ± 0.02W/m ² (340nm) | |
| 控制系统 | LCD可编程控制器, 自动显示辐照度, 可设定100组程序, 每个程序含99个循环 | |
| 光照时间 | 1~999 Hours, Adjustable | |
| 淋雨系统 | 喷水时间999分钟可调, 间断喷水时间1~240分钟可调 | |
| 淋雨喷嘴 | 直径: 0.8mm (回水带超精细过滤器防止喷嘴堵塞) | |
| 试样架 | 转盘式试样架, 1~5R/min可调 | |
| 最大试样尺寸 | 200*90mm, 厚度<20mm, 片状试样 | |
| 试样与灯管距离 | 250~300mm | |
| 氙灯寿命 | 1200小时 | |
| 电源 | 三相, AC380V 50Hz | |
| 冷水机 | 6.5kW | |
| 水塔规格 | 10RT、15RT、20RT... | |
| 辐照量 | 自动演算累积辐照量并自动停机 | |

满足标准 Test Standard

GB/T16422.2, GB/T16259, GB/T29061, GB/1865, GB/18244, GB/T14522, ISO 4892-2, ISO11507, SAE J2527, SAE 242, ASTM G155, ASTM D4459, IEC 60068-2-5

| | | |
|-------------------------------------|---|-------------------|
| Internal Dimension | 800*800*800mm | 1000*1000*1000 mm |
| External Dimension | 1450*1350*2150 mm | 1650*1550*2350mm |
| Internal Material Material | Stainless Steel 304, Anti-rust, Easy To Clean | |
| External Material Material | Paint Spray/ Stainless Steel | |
| Chamber Humidity Range | 30%~50% RH (Light Cycle)30%~95% RH (Dark Cycle) | |
| Humidity Uniformity | ± 5%RH | |
| Chamber Temperature | 20℃~80℃, Adjustable | |
| Black Panel Temperature | 30℃~95℃, Adjustable | |
| Temperature Uniformity | ≤ ±2℃ | |
| Filter | Standard configuration: window glass filter Optional: daylight filter, UV filter | |
| Light Source | Water Cooled Xenon Lamp | |
| Xenon Lamp Power | 6.5kW*1pc | |
| Irradiance Strength | 550~1120W/m ² @290~800nm, Adjustable 0.3~1.3W/m ² at double temperature control and 0.51W/m ² @340nm | |
| Control System | LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles | |
| Illumination Time | 1~999 Hours, Adjustable | |
| Water Spray System | Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable | |
| Water Spray Nozzle | Diameter: 0.8mm | |
| Sample Holder | Turntable Sample Rack, 1~5R/min | |
| Max. Sample Dimension | 200*90mm Thickness<20mm | |
| Distance From Sample Holder To Lamp | 250~300mm | |
| Xenon Lamp Lifetime | 1200hours | |
| Power Supply | Three Phase, AC380V 50Hz | |
| Chiller | 6.5kW | |
| Water tower specs | 10RT、15RT、20RT... | |
| Irradiation | Automatic calculus accumulates irradiation and stops, can be customized | |