Product introduction:

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.

Parameters:

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| model | X-225 | X-512 | X-1000 |
| test space | 225L | 512L | 1000 L |
| Internal size  (WxHxD) | 600\*750\*500MM | 800\*800\*800MM | 1000\*1000\*1000MM |
| External size  (WxHxD) | 1300\*1700\*1000MM | 1450\*2150\*1350MM | 1650\*2350\*1550MM |

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| Internal material | stainless steel 304 , anti-rust, easy to clean |
| External material | Cold-rolled steel with spray/ Stainless steel |
| Chamber humidity range | 45%～95% RH (Light cycle)  30%～95% RH (Dark cycle) |
| Humidity uniformity | ±5 %RH |
| Chamber temperature | 25℃~90℃, adjustable |
| Black panel temperature | 40℃~95℃, adjustable |
| Temperature uniformity | ≤±3℃ |
| Filter | Daylight filter |
| Light source | Air cooled long arc xenon lamp |
| Xenon lamp power | 1.8KW \* 3pcs = 5.4KW |
| Irradiance strength | 550~1120W/m2@290~800nm, adjustable |
| 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 pressure | 0.12 ~ 0.15kpa |
| Water spray nozzle | Diameter: 0.8mm |
| Sample holder | SUSStainless steel 304 , 1pc |
| Distance from sample  holder to lamp | 250~300mm |
| Power Supply | Three phase , AC380V 50/60HZ |

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| **PLC controller** | Other company：TEMI880 Other company:  DETECT: SIEMENS touch screen and PLC control system, independent research and development program for the independent design of xenon lamp, with a user-friendly interface.  Advantage：Independent research and development, programming, more humane, more accurate. Tailored for customers. | 西门子控制器 |
| **Black panel temperature sensor** | Other company: domestic brand  DETECT:Japan SANJAC,Temperature measurement range - 100-200 degrees  Advantage: wide measuring range, high precision. | Black panel |
| **Xenon lamps** | Other company：Domestic brand a tube  DETECT: 1.8 KW (air-cooled all solar spectrum long arc xenon lamp) 3, life: 1200 hours  Advantage：Air cooled xenon lamp three tubes placed side by side spacing 100MM, uniform light intensity. | 风冷氙灯管 |
| **Irradiance meter** | DETECT: German chip design  Intelligent irradiation induction loop system. Full spectrum 290-800NM, 575-1120W/m2, ultraviolet 340NM band 0.5-1.2W/m2  Advantage：High temperature, high humidity resistance, shell 304 material design and production. Intelligent automatic radiation intensity compensation, the system can automatically compensate by increasing the power of xenon lamp. | Irradiance meter |