



Xenon Arc Light Fastness Tester is used to test the color fastness performance of colored materials such as various textiles, leather, artificial leather, plastics, dyes, coatings, and paints. By adjusting the temperature and humidity of the testing chamber and using xenon lamp and filter system to reliably simulate the full spectrum of sunlight, test the light fastness sunlight weather fastness and photo-aging resistance of the materials.

### Specifications:

- Light Source: 3300W air-cooled lamp
- Display Mode of Operation: imported color LCD touch screen
- Irradiance Sensor: 300~400NM band sensor (optional)
- Turntable Speed: 50Hz 4r/min, 60Hz 7r/min
- Specimen Clamp Quantity: 15 double-layer specimen clamp and a single-layer specimen clamp, 31 in total
- Specimen Clamp Size: exposure area of 54cm<sup>2</sup> each, total exposure area of 172,800mm<sup>2</sup>, and 15 other American standard sample plates can be replaced



### Unique Performance:

- This light Xenon lamp tester uses a more optimized method to test the color fastness, which ensures the accurate and consistent test results, and simulates the aging of materials caused by the full spectrum of sunlight and the environment
- Equipped with the latest technology, precise control of the key parameters including irradiance, relative humidity, temperature inside the chamber and the blackboard (standard) temperature



**Features:**

- Efficient space meter
- Add water easily
- Perfect repeatability
- Very friendly human-computer interface
- Imported original air-cooled pulse xenon lamp
- Pulsed power supply control system can achieve the required irradiation energy with very low power
- Self-diagnosis and reminder services of the control system
- Imported Japan Mitsubishi PLC programmable control system with strong anti-jamming capacity ensures stable performance and the reliability
- Fully simulate the long-arc xenon lamp, ultraviolet and infrared filter system of full-spectrum daylight to ensure the accuracy of test results
- Multi-channel irradiance sensor can monitor the 300 ~ 400nm band, digital closed-loop control system, automatic irradiance power compensation function to achieve the automatic digital control of irradiance;
- Temperature and humidity sensors, ultrasonic humidifier, sample surface air flow frequency control systems ensure the stability of the experimental conditions;
- Imported high-resolution color LCD touch screen with English menu, a variety of experimental monitoring modes, which is simple and convenient to operate;
- Super large testing chamber structure design with more specimen and bigger exposure area
- imported water filtration device, multi-point monitoring system, with the automatic shutdown alarm protection function when the water level is too low or the air temperature is too high
- German Muller electrical power security protection of the machine, Japan's Omron power delay device protection of the Xenon lamp restarting ensure that the instrument is safe, stable and reliable in daily work
- With independent spray, it can complete the rain weather testing, which makes the instrument's comprehensive performance meet with the foreign standards and reach the international advanced level

**Standards:**

- AATCC16
- GB/T8427
- GB/T8430
- GB/T14576
- ISO105-B02
- ISO105-B04
- ISO105-B06

**Dimensions:**

- **H:** 997mm
- **W:** 685mm
- **D:** 1750mm
- **Weight:** 500kg

**Connections:**

- **Electrical:** AC220V, 50HZ, 6000W