

Color Fastness to Sunlight Test Chamber

BGD 861 Color Fastness to Sunlight Test Chamber is a powerful, highly cost-effective, easy to use and convenient to maintain color fastness to light chamber. It uses a air-cooled xenon lamp imported from America and IR window filter (both are imported from America), to simulate more real and much better the full spectrum sun light of outdoor through window, ensure the test results obtained from laboratory have a perfect correlation with indoor application. Furthermore, the samples holder is designed with a special rotating drum to ensure each sample can obtain the same and uniform irradiance during the whole test.

BGD 861 can meet with all standards requirements from different fields, it can hold 22 pieces samples, not only has spray function, but also can control the relative humidity of working room.

Operator can set all required test parameters (Irradiance, test time, BPT, BST etc) through the touch screen, and can check its running status at any time. All running parameters can be exported to computer directly through the USB interface.

Standards

ISO 105-B02 (EN) (DIN) 《Textiles-Tests for colour fastness- Part B02: Colour fastness to artificial light: Xenon arc fading lamp test》

ISO 105-B04 (EN) (DIN) 《Textiles - Tests for Colour Fastness - Part B04. Colour Fastness to Artificial Weathering: Xenon Arc Fading Lamp Test》

ISO 105-B06 (EN) (DIN) 《Textiles - Tests for Colour Fastness - Part B06: Colour Fastness and Ageing to Artificial Light at High Temperatures: Xenon Arc Fading Lamp Test》

ISO 105-B07 (EN) (DIN) 《Textiles - Tests for Colour Fastness - Part B07: Colour Fastness to Light of Textiles Wetted with Artificial Perspiration》

ISO 105-B10 (EN) (DIN) 《Textiles - Tests for Colour Fastness - Part B10: Artificial Weathering - Exposure to Filtered Xenon-Arc Radiation》

ISO 4892-1 《Plastics - Methods of Exposure to Laboratory Light Sources - Part 1: General guidance》

ISO 4892-2 《Plastics - Methods of Exposure to Laboratory Light Sources - Part 2: Xenon-arc lamps》 ASTM G151 《Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources》

ASTM G155 《Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials》

AATCC TM16 《Colorfastness to Light》

AATCC TM169 《Weather Resistance of Textiles: Xenon Lamp Exposure》



Operation Menu



BGD 8170 Purity Water Machine

Characters

- ◆ Xenon lamps imported from America can ensure the test results have a good repeatability and comparability.
- ◆ Special rotating-drum design for samples holder ensure each sample can obtain the same and uniform irradiance during the whole test.
- ◆ Irradiance energy can be accurately controlled. The "Closed-Loop" control system can automatically compensate the change of light intensity caused by ageing or other factors.
- ◆ Affordable air-cooled xenon lamp, the lifetime can reach 1,500 hours.

