Bench UV Light Accelerated Aging Chamber

BGD 852

Product Description

BGD 852 Bench UV Light Accelerated Aging Chamber (3 UV lamps, 20W each)

BGD 852 Bench UV light Accelerated Aging Chamber is an economic and easy-to-use machine which can meet some customers' requirements. It is equipped with 3 pcs 20W UV lamps as light sources. Operator can set the total illumination time, temperature, spray time etc to simulate the natural environment which would cause the damaged factor to samples.

This chamber can isolate 18 pcs standard panels (Size is 150×70mm). Samples are installed a column form rotating sample rack. During the test, the sample rack rotate uniformly and ensure every sample get the same irradiance energy, increase the compariability and repeatability of testing results.

Different types fluorescent UV lamps are used in different fields, for example:

Type 1. **UVA-340 Lamp**: UVA-340 Lamp can highly simulate short-wave ultraviolet light of sunlight, the wavelength range is from 365 nm to 295 nm.

Type 2. **UVA 351 Lamp**: Simulates UV sunlight which has passed through the windows. It is excellent for testing materials aging process indoor.

Type 3. **UVB-313 Lamp**: This lamp emits stronger shortwave ultraviolet light compared with the ultraviolet rays on Earth, thus can accelerate material aging process. However, this lamp may cause some unrealistic material damage. It is mainly used in quality control, research and development, and the test of the materials with strong weather resistance.

Standards

Please note that this test chambers intended use is for reference testing only

Bench UV Light Accelerated Aging Chamber

BGD 852

Technical Specification

BGD 852 Bench UV light Accelerated Aging Chambers is an economic and easy-to-use machine which can meet some customers' requirements. It is equipped with 3 pcs 20W UV lamps as light sources. Operator can set the total illumination time, temperature, spray time etc to simulate the natural environment which would cause the damaged factor to samples.

This chamber can isolate 18 pcs standard panels (Size is 150×70mm). Samples are installed a column form rotating sample rack. During the test, the sample rack rotate uniformly and ensure every sample get the same irradiance energy, increase the compariability and repeatability of testing results.

- Touch screen and user-friendly operation interface allow handlers set the test parameters and monitor all the test process easily.
- Equipped with professional UV lamps who has high irradiance energy: 0.70W/m^2
- Full stainless steel inner working room with sandwich design, never getting rusty and leakage. Also prevent water vapour coming from working room from entering electrical box and damaging electron components.
- Biult-in water level switch, it will alarm and stop running automatically when under low water level.

Bench UV Light Accelerated Aging Chamber

BGD 852

Main Technical Parameters

- Total power: 1.2 KW
- Power voltage: 110V or 220V/50Hz; 6A
- Settable temperature range of working room: RT+°5C~60°C
- Settable range of test time: 1h~99,999h
- Settable range of spray time: 1min-99,999min
- Settable range of spray interval time: 1min-99,999min
- Rated life of lamp: 1,000h
- Wave length of lamps: 313 nm (UVB Lamps) or 340 nm (UVA Lamps)
- Lamp power: 3 pcs; each lamp is 20 W
- Water consumption for spray: 3 L/min
- Capacity for test panels: 18 pcs standard size panels
- Specification of sample: 150mm×70mm
- Cabinet Size: 930×460×630mm (W×D×H)
- Net Weight: 72kg

Ordering Information: BGD 852 - Bench UV Light Accelerated Aging Test Chamber

Accessoires

- BGD 8100 - UVA Lamps 20W/313nm (for BGD 852)
- BGD 8101 - UVB Lamps 20W/340nm (for BGD 852)

Disclaimer