

Cabinet Xenon Test Chamber; 1 × 1.8 kW Lamp

BGD 860

Product Description

Xenon Test Chamber

BGD 860 is a powerful, highly cost-effective, easy to use and convenient to maintain xenon test chamber. It uses a air-cooled xenon lamp and relevant daylight filter both are imported from America , to simulate more real and much better the full spectrum sun light of outdoor, ensure the test results obtained from laboratory have a perfect correlation with outdoor 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 860 Xenon Test Chamber 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 11341, ISO 16474-1, ISO 16474-2, ASTM D3451, ASTM D3794, ASTM D4303,
ASTM D5010, ASTM D6577, ASTM D6695, ASTM G151, ASTM G155, ISO 4892-1,
ISO 4892-2, SAE J2412

Technical Specification

- Xenon lamp and relevant filter imported from America can ensure the test results have a good repeatability and

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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 "Sun Eye" control system can automatically compensate the change of light intensity caused by ageing or other factors.
- Can choose narrow band at 340nm or at 420nm or broad band from 300nm 400nm to control irradiance.
- Affordable air-cooled xenon lamp, the lifetime can reach 1,500 hours.
- Can choose three different filters Daylight, Window glass, Extended UV to meet different test requirements.
- The test procedures can be programmed freely; can set 9 programs and save 6 predetermined programs in one time. Every program includes up to 10 segments for setting parameters.
- Can set and control precisely and automatically the relative humidity of working room.
- Can set the cumulative energy total irradiance energy obtained by sample to finish a test procedure.
- With spray function, can set spray time and spray interval time.
- Users can easily calibrate and adjust the irradiance or the blackboard temperature by themselves.
- With High precision Pt100 Temperature sensor. BPT black panel temperature , BST black standard temperature and working room temperature can be set and controlled precisely and automatically during the whole process.
- Alarm and protection function Avoid over-temperature (BPT, BST, working room, cooling water) as well as over-heating load, big error for irradiance, over-standard of pure water conductivity and possible auto shut-down protection when opening the door.
- Touch screen and user-friendly operation interface allow operator to set the test parameters and monitor all the test process easily.
- Real-time data can be collected and recorded. The incidental USB connector allow users to download the test data EXCEL format directly, achieving unattended operation.

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Main Technical Parameters

- Xenon Lamp One 1.8KW xenon lamp USA
- Filter Daylight filter Optional: extended UV filter or window glass filter
- Lamp Lifetime: Approx. 1,500 hours
- Exposure Area 2,200 cm² (upto 22 pcs samples of 150×70mm size)
- Adjustable Irradiance Range
 - 0.3 0.75 W/m² (Single point of control 340nm)
 - 0.5 1.35 W/m² (Single point of control 420nm)
 - 30 W/m² 90 W/m² (Full spectrum from 300 400nm)
- Controlling irradiance point 340nm or 420nm or 300nm 400nm show at the same time
- Adjustable Black Board Temperature Range RT+30 90
- Adjustable Working room Temperature Range RT+8 62
- Adjustable relative humidity of working room 20% 75% Light 50% 95% Dark)
- Overall Size 860×800×1740mm
- Net Weight 200KG
- Power Supply AC 380V 50 or 60HZ Max. Current 32 A
- Total Machine Power 4KW Instant power can reach 6KW
- Ordering Information: BGD 860 - Cabinet Xenon Test Chamber

Accessoires

- BGD 8140 - Calibration Radiometer (Xenon) 340 nm
- BGD 8141 - Calibration Radiometer (Xenon) 420 nm
- BGD 8142 - Calibration Radiometer (Xenon) 300-400 nm

Disclaimer

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