

## Cabinet Xenon Test Chamber

**B**GD 867 is a standard xenon chamber who has many functions. It is equipped with three xenon lamps imported from America and daylight filter, can meet with all standards' requirements.

BGD 867 is equipped with a pure water machine and solve completely the water requirements from B-SUN. Furthermore, it can hold 27 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 etc) through the touch screen, and can check its running status at any time. All running parameters can be exported to computer through the USB interface.

### Characters

- ◆ Three xenon lamps imported from America can offer higer irradiance energy, meet with all test standards' requirements.
- ◆ Can set and control automatically the relative humidity of working room.
- ◆ Come with a pure water machine to meet with the water consumption of B-SUN
- ◆ The test procedures can be programmed freely; and up to 16 predetermined procedures can be saved in one time.

Every procedure includes up to 10 segments setting data.

- ◆ 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.
- ◆ 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.
- ◆ Users can easily calibrate and adjust the irradiance or the blackboard temperature by themselves.
- ◆ With High precision Pt100 Temperature sensor. Blackboard temperature is auto-controlled during the whole process
- ◆ Alarm function for protection: Over temperature, over heating load, big error for irradiance, auto shut-down protection when opening door.



Purity Water Machine



**One-stop  
PURCHASE**  
Perfect price-performance ratio products  
**Professional  
SERVICE**

- ◆ Touch screen and user-friendly operation interface allow operator to set the test parameters and monitor all the test process easily.
- ◆ Specimen mounting and evaluation is fast and easy With unique slide-out specimen tray
- ◆ Real-time data can be collected and recorded. The incidental USB connector allow users to copy the test data into a USB drive, achieving unattended operation.

**Main Technical Parameters:**

- ★ Xenon Lamp: Three 1.8KW xenon lamps ( imported from America or Chinese lamp )
- ★ Filter: Daylight filter ( Also can choose extended UV filter or window glass filter )
- ★ Lamp Lifetime: Near 1,500 hours
- ★ Exposure Area: 2,800 cm<sup>2</sup> (can put 27 standard samples 150 × 70mm)
- ★ Adjustable Irradiance Range:
  - 0.3 ~ 1.0 W/m<sup>2</sup> (Single point of control: 340nm)
  - 0.5 ~ 1.8 W/m<sup>2</sup> (Single point of control: 420nm)
  - 30 W/m<sup>2</sup> ~ 120 W/m<sup>2</sup> (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+20°C ~ 90°C
- ★ Adjustable relative humidity of working room: 30% ~ 75% ( Light ) ; 50% ~ 95% ( Dark ) ;
- ★ Interior Material of Chamber: Stainless steel –SUS 304 material
- ★ Exterior Material of Chamber: Powder coating
- ★ Overall Size: 940 × 940 × 1850mm
- ★ Weight: 300KG
- ★ Power Supply: AC: 380V 50/60HZ, Max. Current 12 A ( Also can choose single phase 220V, Max. Current 36 A )
- ★ **Ordering Information:**
  - BGD 867---Cabinet Xenon Test Chamber
  - BGD 8156---Xenon Lamps ( 1.8 KW )
  - X-1800--- American Xenon Lamps ( 1.8 Kw )
  - BGD 8140---Xenon Calibration Radiometer ( 340nm )
  - BGD 8141---Xenon Calibration Radiometer ( 420nm )
  - BGD 8142---Xenon Calibration Radiometer ( 300nm ~ 400nm )



Operation Menu



Set Program