

## Small Xenon Test Chamber

Compared with BGD 865, BGD 866 adds spray function. Spray function is used to simulate rain and humidity when the material is used at outdoor. Furthermore, operator can set the cumulative energy (Total irradiance energy) obtained by sample to stop a test procedure.

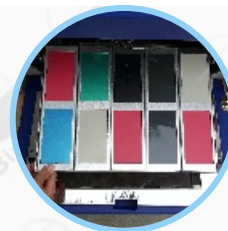
Operator can set all required test parameters (Irradiance, test time, BPT etc) through the touch screen, and can check its running status at any time. All running parameters can be exported to computer through the USB interface.

### Characters

- ◆ 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.
- ◆ The xenon light source correspond with international standards; ensure reproducibility and comparability of testing results.
- ◆ 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.
- ◆ Users can easily calibrate and adjust the irradiance or the black panel temperature by themselves.
- ◆ With High precision Pt100 Temperature sensor. Black panel temperature is auto-controlled during the whole process
- ◆ Show the relative humidity of working room
- ◆ Alarm function for protection: Over temperature of BPT, big error for irradiance, auto shut-down protection when opening door, protection for too low air pressure
- ◆ 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: one 1.8kW xenon lamp imported from America
- ★ Filter: Daylight filter ( Also can choose extended UV filter or window glass filter )
- ★ Lamp Lifetime: Near 1,500 hours
- ★ Exposure Area: 1,000 cm<sup>2</sup> ( can put 9 standard samples 150 × 70mm )
- ★ Adjustable Irradiance Range: 30W/m<sup>2</sup> ~ 100 W/m<sup>2</sup> ( 300~400nm )  
or 0.3W/m<sup>2</sup> ~ 0.8 W/m<sup>2</sup> ( @340nm ) or 0.5W/m<sup>2</sup> ~ 1.5 W/m<sup>2</sup> ( @420nm )
- ★ Adjustable Black Panel Temperature Range: RT+20°C ~ 90°C  
( Depends on environment temperature and setting irradiance value )
- ★ Interior Material of Chamber: Stainless steel –SUS 304 material
- ★ Exterior Material of Chamber: Powder coating
- ★ Overall Size: 1000mm × 650mm × 1020mm
- ★ Weight: 135KG ( 176KG Gross weight )
- ★ Power Supply: 220V 50/60HZ ( Alternative )
- ★ Max Current: 12A
- ★ Max.Power: 2.5 kW
- ★ **Ordering Information:**  
BGD 866/A---Small Xenon Test Chamber  
BGD 8156---American Xenon Lamps ( 1.8 kW )  
BGD 8170---Pure Water Machine ( 50L/h )



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