



Xenon Test Chamber

XD-21-860 is a powerful, highly cost-effective, easy to use and convenient to maintain xenon test chamber. It uses an imported air-cooled xenon lamp and relevant daylight filter, 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.

XD-21-860 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.



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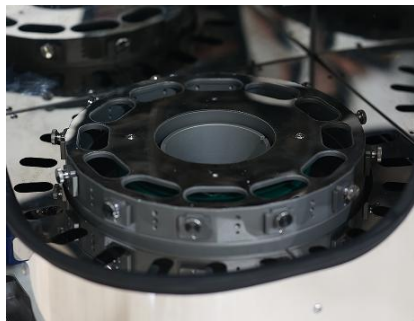


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Characters

- ◆ 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.
- ◆ Can choose narrow band (at 340nm or at 420nm) or broad band (from 300nm~400nm or from 300nm~800nm) 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 10 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 black panel 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: Over temperature (BPT, BST, Working room), big deviation of irradiance, shortage of spraying water, abnormal lamp power, big error of humidity.
- ◆ 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.





Technical Specification

Type	Xenon Test Chamber
Name	XD-21-860
Xenon Lamp	One 1.8 kW xenon lamp
Filter	Daylight filter (Also can choose extended UV filter or window glass filter)
Lamp Lifetime	Near 1,500 hours
Exposure Area	2,200 cm ² (can put 22 pcs samples of 150×70mm size)
Adjustable Irradiance Range	0.3~0.75 W/m ² (Single point of control: 340nm) 0.5~1.35 W/m ² (Single point of control: 420nm) 30 W/m ² ~90 W/m ² (Full spectrum : from 300~400nm) 310 W/m ² ~780 W/m ² (Full spectrum : from 300~800nm)
Controlling irradiance point	340nm or 420nm or 300nm~400nm (show at the same time)
Adjustable Black Panel Temperature Range	RT~100°C
Adjustable Working room Temperature Range	RT~65°C
Adjustable relative humidity of working room	10%~75% (Light) ; 10%~95% (Dark)
Overall Size	860×800×1770
Net Weight	200 KG
Total Machine Power	5.5 KW
Power Supply	AC 380V (Three-phase four-wire system) / 50HZ; Max. Current 16 A
Requirements of Compressed air	Clean, oilless compressed air with 0.5MPa pressure, Max. air supply is near 60L/min. Average air consumption is 10L/min~30L/min (Depends on testing standard)



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